



MOTOROLA

1982-83



ANTENNAS

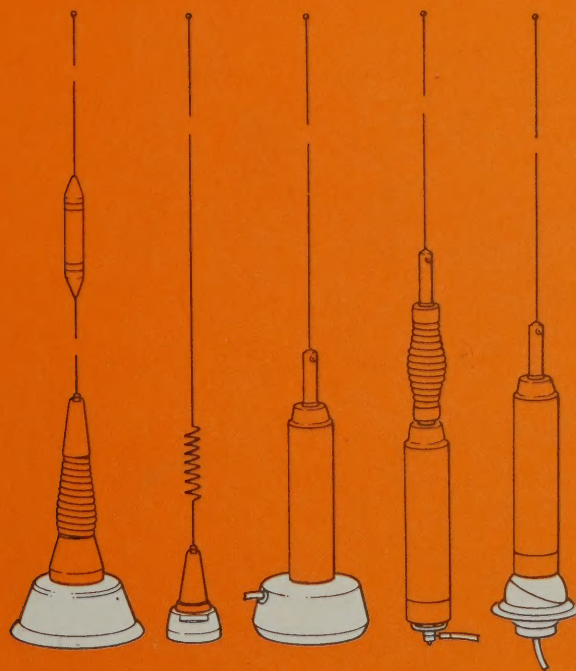
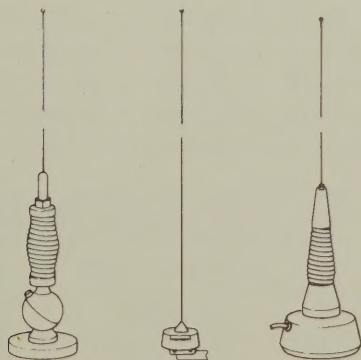


TABLE OF CONTENTS

Low Band	2
Mid Band	5
High Band	6
UHF	12
800 MHz	18
Disguise	20
Special Purpose	22
Replacement Parts	26
Bulk Package Antennas	32
Index	34
Ordering Information	37



LOW BAND QUARTER-WAVE

DESCRIPTION

Stainless Steel

Our top-of-the-line quarter-wave low band model, this antenna features a tapered ground stainless steel whip with a set screw adapter for field tuning plus a tough stainless steel shock spring and swivel base. The quality design and durable construction provide long life and high reliability. Available with 8 or 20 foot cable length.

Cadmium Plated

Suitable for long reliable service under rugged conditions, this antenna features a stainless steel whip with set screw adapter for field tuning, a heavy duty cadmium-plated shock spring and a cadmium-plated iron swivel base along with mounting hardware. Antenna is available with 8 or 20 foot cable lengths.

ELECTRICAL

Gain: Unity
Maximum Power: 250 watts
Frequency Range: 25-54 MHz
VSWR: 1.5:1
Nominal Impedance: 50 ohms

MECHANICAL

Radiator Material: Tapered stainless steel
Spring Material: Stainless steel or
cadmium plated
Cable: RG 58/U
Cable Length: 8' or 20'
Whip Length: 96"
Mounting Base Dia: 3 1/2"
Mounting Hole Dia: 1 5/16" (center)
Swivel Assembly: Stainless steel or
cadmium plated iron
(dependent on style)
Connector: PL259

250 WATTS



SWIVEL MOUNT BASE LOADED

	Stainless Steel	Cadmium Plated
25-30 MHz	TAB-1001C*	TAB-1021C*
	TAB-1011C†	TAB-1031C†
30-54 MHz	TAB-1002C*	TAB-1022C*
	TAB-1012C†	TAB-1032C†

Cable Length: 8* or 20† ft.

LOW BAND STANDARD

MECHANICAL

Radiator Material: 17-7 PH stainless steel
Spring Material: Stainless steel
Base and Fittings: Chrome-plated brass
Cable & Length: RG 58/U
Roof: 14'
Trunk Lip: 17'
Magnetic: 12'
Cowl: 17'
Connector: PL259
Whip Length: 49" maximum,
Coil Size: 1" dia; 4" length
Antenna Connection: . . Solderless

Maximum Power: 150 watts
Frequency Range: . . . 25-28; 30-50 MHz
VSWR: Less than 1.5:1
Nominal Impedance: . . 50 ohms
Loading Coil: DC grounded, shunt-fed
PVC packed, weatherproof,
shock resistant

CONVERSION KITS ★

3

LOW BAND RUGGED

DESCRIPTION

With a 200 watt power rating, this series is capable of handling virtually all mobile power requirements. Shock resistant and weatherproof coils are encased in a durable PVC jacket. Constructed of 17-7PH stainless steel, whips have a .125" diameter taper and are DURA-CON™ plated for high conductivity. Antennas are shipped complete with spring and include whip length adapter to allow field tuning. Available with a choice of mounting options.

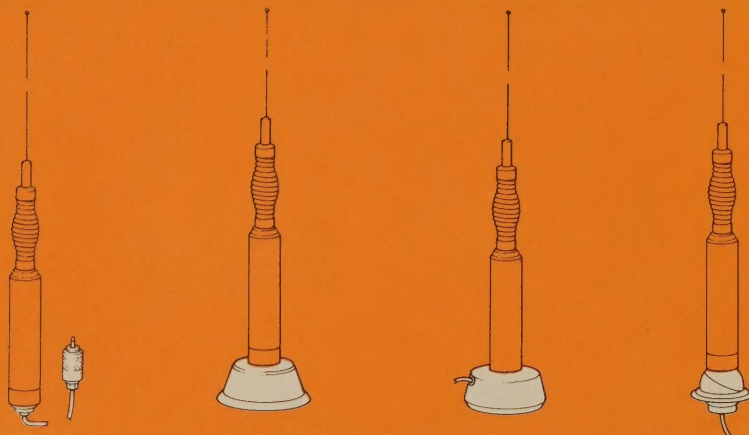
ELECTRICAL

Maximum Power: 200 watts
Frequency Range: 25-28; 30-50 MHz
VSWR: Less than 1.5:1
Nominal Impedance: 50 ohms
Loading Coil: DC grounded, shunt-fed, PVC jacket, weatherproof; shock resistant

MECHANICAL

Radiator Material: 17-7 PH stainless steel, DURA-CON™ plated, .125" dia. tapered
Spring Material: Stainless steel
Base and Fittings: Aluminum and plated steel
Cable & Length: RG 58/U
Roof: 14'
Trunk Lip: 17'
Magnetic: 12'
Cowl: 17'
Connector: PL259
Whip Length: 49" maximum
Antenna Connector: Solderless

200 WATTS



ROOF		TRUNK LIP		MAGNETIC		COWL	
with spring		with spring		with spring		with spring	
25-28 MHz	RRA-4040A		RRA-4045A		RRA-4055A		RRA-4050A
30-33 MHz	RRA-4041A		RRA-4046A		RRA-4056A		RRA-4051A
33-36 MHz	RRA-4042A		RRA-4047A		RRA-4057A		RRA-4052A
36-42 MHz	RRA-4043A		RRA-4048A		RRA-4058A		RRA-4053A
42-50 MHz	RRA-4044A		RRA-4049A		RRA-4059A		RRA-4054A

CONVERSION KITS ★

MOTOROLA MOUNT

with spring	
25-28 MHz	RRA-4060A
30-33 MHz	RRA-4061A
33-36 MHz	RRA-4062A
36-42 MHz	RRA-4063A
42-50 MHz	RRA-4064A



★Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.

MID BAND QUARTER-WAVE

DESCRIPTION

Capable of handling 150 watts of power, this antenna series features the durability to meet applications that require long reliable service. A choice of mounts is available.

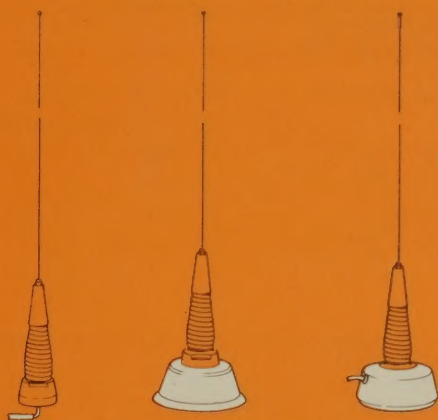
ELECTRICAL

Gain: Unity
Maximum Power: 150 watts
Frequency: 66-88 MHz
VSWR: 1.5:1
Nominal Impedance: 50 ohms

MECHANICAL

Radiator Material: 17-7 PH stainless steel
Spring Material: Stainless steel
Base and Fittings: Molded plastic, phosphor-bronze contact
Cable & Length: RG 58/U
Roof: 17'
Trunk Lip: 17'
Magnetic: 12'
Connector: PL259
Whip Length: 49" maximum
Antenna Connection: Solderless

150 WATTS



	ROOF	TRUNK LIP	MAGNETIC
	with spring	with spring	with spring
66-88 MHz	RRA-4300A	RRA-4301A	RRA-4302A

CONVERSION KITS ★		
	RCA SNAP-ON	MOTOROLA MOUNT
	with spring	with spring
66-88 MHz	RRA-4304A	RRA-4303A



★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.

HIGH BAND QUARTER-WAVE

DESCRIPTION

One of the more popular and imitated antennas in the industry, the high band quarter-wave offers a combination of value and performance. Whips are type 302 stainless steel, designed with spring temper for durability. Complete with a fixed whip length for each sub-band, these antennas offer quick installation, with no need to field tune. The solderless antenna connection makes it easy to remove when necessary. Roof mount antennas available in economical bulk packages. This series also offers a choice in mounting configurations and conversion kits.

ELECTRICAL: QUARTER-WAVE

Gain: Unity
Maximum Power: 150 watts
Frequency Range: 132-174 MHz
VSWR: Less than 1.5:1
Nominal Impedance: 50 ohms

MECHANICAL

Radiator Material:	Stainless steel type 302, spring tempered
Cable & Length:	RG 58 A/U
Roof:	14'
Trunk lip:	17'
Magnetic:	12'
Whip Length:	Fixed, dependent on frequency
Connector:	PL259
Antenna Connection:	Solderless

150 WATTS

DESCRIPTION

WIDE SPACE

The wide space antenna has been designed to meet the requirements of wide space radios, and synthesized products such as the Syntor mobile radio. Broad transmit bandwidth requirements of these radios make a wide space antenna a must. Features include a fixed length 17-7 PH stainless steel whip and a stainless steel shock spring. It surpasses the vibration testing requirements of EIA and meets or exceeds all tests as stated in EIA Test RS329-1.

ELECTRICAL: WIDE SPACE

Gain: Unity
Maximum Power: 150 watts
Frequency Range: 136-162, 150-174, or
146-174 MHz
VSWR: 2:1
Bandwidth: 24, 26, or 28 MHz
Nominal Impedance: 50 ohms

MECHANICAL

Radiator Material: 17-7 PH stainless
steel .125 dia. (straight)
Cable & Length: RG 58/U; 16'6" or 17'3"
Whip Length: Fixed
Connector: PL259
Antenna Connection: . . Solderless

ROOF		TRUNK LIP	MAGNETIC
132-136 MHz	TAD-6115A	—	—
136-144 MHz	TAD-6111A	RRA-4434A	RRA-4438A
144-152 MHz	TAD-6112A	RRA-4435A	RRA-4439A
152-162 MHz	TAD-6113A	RRA-4436A	RRA-4440A
162-174 MHz	TAD-6114A	RRA-4437A	RRA-4441A

**CONVERSION
KITS ★**

**MOTOROLA
MOUNT**

01-83938B09
01-83938B01
01-83938B02
01-83938B03
01-83938B04

QUARTER-WAVE WIDE SPACE ROOF	
with spring	
136-162 MHz	TAD-6280A *
150-174 MHz	HAD-4002A †
146-174 MHz	TAD-6290A †

*Supplied with 17'3" cable †Supplied with 16'6" cable

HIGH BAND STANDARD

DESCRIPTION

This 150 watt, 3 dB gain antenna series provides the reliability necessary in professional environments. Features include 17-7 PH stainless steel whips, shock-resistant coils, brass or stainless steel base and fittings, and a whip adapter for field tuning. Offered either with or without spring, this series comes with mounting options to cover a wide range of applications.

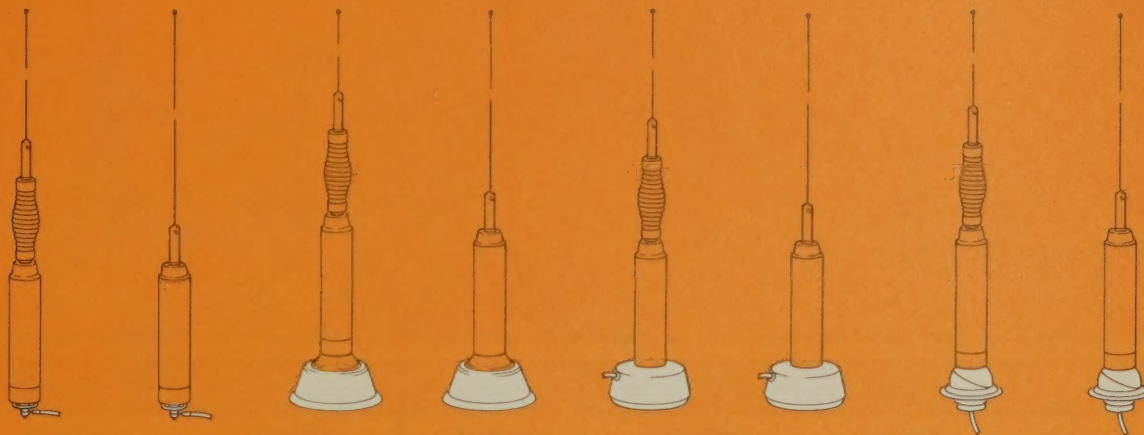
ELECTRICAL

Gain: 3 dB
 Maximum Power: 150 watts
 Frequency Range: 138-174 MHz
 VSWR: Less than 1.5:1
 Nominal Impedance: 50 ohms
 Transformer: DC grounded, shunt-fed, PVC jacket, weatherproof, shock resistant

MECHANICAL

Radiator Material: 17-7 PH stainless steel
 Spring Material: Stainless steel
 Base and Fittings: Chrome-plated brass or stainless steel
 Cable & Length: RG 58/U
 Roof: 14'
 Trunk lip: 17'
 Magnetic: 12'
 Cowl: 17'
 Connector: PL259
 Whip Length: 49" maximum
 Transformer Dia. & Length: 1"; 3¼"
 Antenna Connection: Solderless

150 WATTS

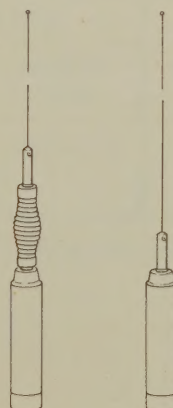


ROOF			TRUNK LIP		MAGNETIC		COWL	
with spring	less spring		with spring	less spring	with spring	less spring	with spring	less spring
138-174 MHz	RRA-4424A	—	RRA-4426A	—	RRA-4430A	—	RRA-4428A	—
144-174 MHz	—	RRA-4425A	—	RRA-4427A	—	RRA-4431A	—	RRA-4429A

CONVERSION KITS ★

	with spring	less spring
138-174 MHz	RRA-4432A	—
144-174 MHz	—	RRA-4433A

★ Motorola conversion kits allow the replacement of antenna whip and coil while leaving the original cable and mount intact.



HIGH BAND LOW PROFILE

DESCRIPTION

This stylish $\frac{5}{8}$ wavelength 3 dB gain antenna is capable of handling 150 watts of power. Features include stainless steel whip coated with DURA-CON™ and shock-resistant coil in a weather-proof base. Offered either with or without spring, this series also offers a choice of mounting options including conversion kits for existing installations.

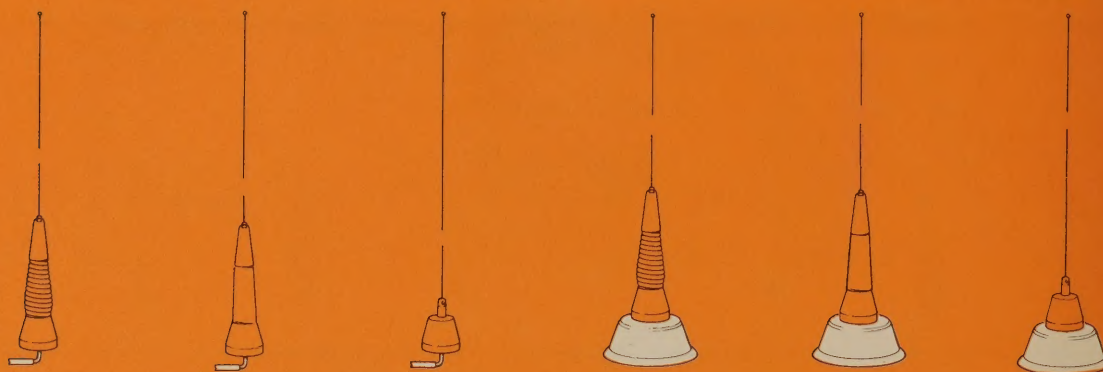
Rubberized Springs

Providing a combination of flexibility and low noise, the low profile antennas with rubberized springs are ideal for duplex operation, such as mobile telephone. The antennas are extremely stable in high wind velocity situations and will perform to specifications at temperatures above -20°F (-28.8°C).

ELECTRICAL

Gain: 3 dB
 Maximum Power: 150 watts
 Frequency Range: 138-174 MHz
 VSWR: 1.5:1
 Nominal Impedance: . . 50 ohms
 Transformer: 16 awg copper wire,
 low loss coil,
 waterproof cover

150 WATTS



	ROOF			TRUNK LIP		
	with spring	rubberized spring	less spring	with spring	rubberized spring	less spring
138-174 MHz	RRA-4400A	RRA-4448A	—	RRA-4402A	RRA-4449A	—
144-174 MHz	—	—	RRA-4401A	—	—	RRA-4403A

MECHANICAL

Radiator Material: 17-7 PH stainless steel,
DURA-CON™ plated
for high conductivity

Spring Material: Stainless steel or
rubberized

Base and Fittings: Molded plastic with
metal threaded insert,
silver-plated contacts

Cable & Length: RG 58/U

Roof: 14'

Trunk Lip: 17'

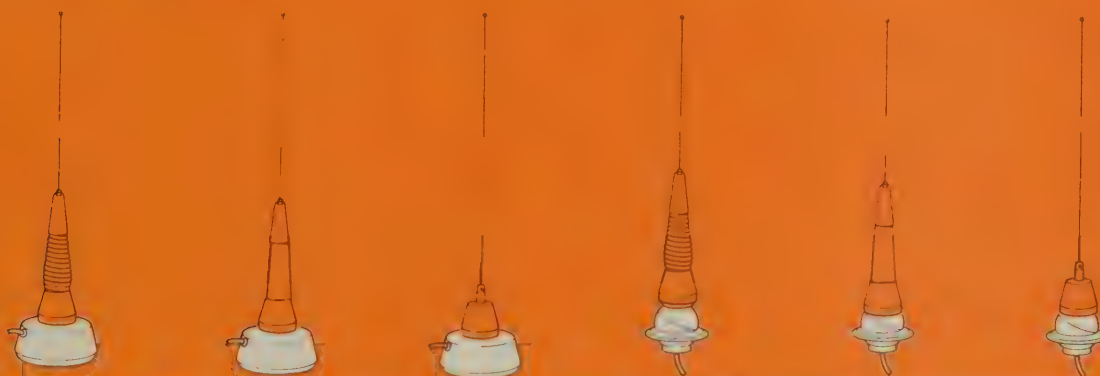
Magnetic: 12'

Cowl: 17'

Connector: PL259

Whip Length: 49" maximum

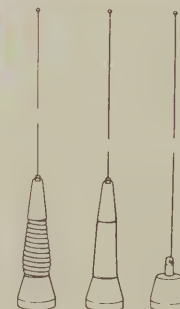
Temperature Limit
(Rubberized spring
style only): -20°F (-28.8°C)



	MAGNETIC			COWL		
	with spring	rubberized spring	less spring	with spring	rubberized spring	less spring
138-174 MHz	RRA-4406A	RRA-4450A	—	RRA-4404A	RRA-4451A	—
144-174 MHz	—	—	RRA-4407A	—	—	RRA-4405A

CONVERSION KITS ★

	MOTOROLA MOUNT			GE/DECIBEL		RCA SNAP-ON	
	with spring	rubberized spring	less spring	with spring	rubberized spring	with spring	rubberized spring
138-174 MHz	RRA-4408A	RRA-4452A	—	RRA-4415A	RRA-4453A	RRA-4416A	RRA-4454A
144-174 MHz	—	—	RRA-4409A	—	—	—	—



★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.

HIGH BAND RUGGED

DESCRIPTION

Designed for adverse environments, this 200 watt series antenna meets or exceeds EIA standards. With tough, stainless steel whips and durable shock-resistant coils, these antennas can withstand the constant wear and tear of field use.

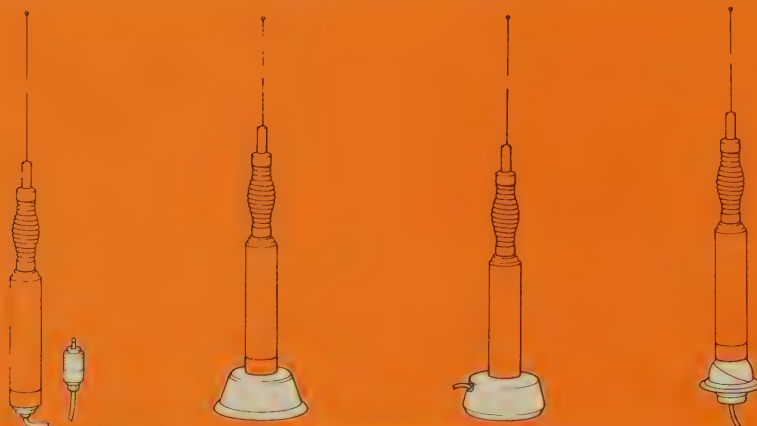
ELECTRICAL

Maximum Power: 200 watts
 Frequency Range: 144-174 MHz
 VSWR: Less than 1.5:1
 Nominal Impedance: 50 ohms
 Transformer: DC grounded, shunt-fed, PVC jacket, weatherproof, shock resistant

MECHANICAL

Radiator Material: 17-7 PH stainless steel DURA-CON™ plated, tapered .125" dia.
 Spring Material: Stainless steel
 Base and Fittings: Aluminum and plated steel
 Cable & Length: Pro-Flex 450/ 11™
 Roof: 14'
 Trunk Lip: 17'
 Magnetic: 12'
 Cowl: 17'
 Connector: PL259
 Whip Length: 46" maximum
 Transformer Dia. & Length: 1-15/64"; 3 5/8"

200 WATTS



	ROOF	TRUNK LIP	MAGNETIC	COWL
	with spring	with spring	with spring	with spring
144-174 MHz	RRA-4410A	RRA-4411A	RRA-4413A	RRA-4412A

CONVERSION KITS ★

MOTOROLA MOUNT

	with spring
144-174 MHz	RRA-4414A

★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.



HIGH BAND HEAVY DUTY AND DOME

DESCRIPTION

ELECTRICAL: DOME

Specifically designed for vehicular clearance applications, both styles of antennas can withstand the toughest environments. The heavy duty model is constructed of durable cast aluminum to help assure uninterrupted performance. Frequency is pretuned to your requirements. Dome antennas are encased in high impact plastic, and are field tunable.

Gain: Unity
Maximum Power: 150 watts
Frequency: 148-174 MHz
VSWR: Less than 1.5:1
Band Width: 5 MHz
Nominal Impedance: 50 ohms

ELECTRICAL: HEAVY DUTY

MECHANICAL

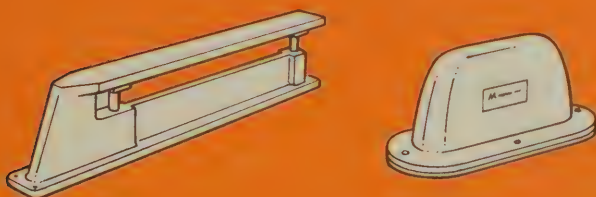
Gain: Unity
Maximum Power: 300 watts
Frequency: 148-174 MHz pre-tuned
VSWR: 1.5:1
Band Width: 5 MHz
Nominal Impedance: 50 ohms

Radiator Material: Silver-plated copper
Dome Material & Color: .. High impact molded ASA; white
Connector: SO-239
Height: 4-5/64"
Length: 16 7/8"
Width: 3 1/4"
Cable & Length: RG 58/U; 20'
Cable Connector: PL259

MECHANICAL

Radiator Material: Cast aluminum
Length: 20-33"
Height: 4"
Connector: Female UHF
Cable: RG 58/U

300 WATTS HEAVY DUTY 150 WATTS DOME



HEAVY DUTY*		DOME
148-174 MHz	TDD-6110A	—
148-160 MHz	—	RRA-4417A**
	—	RRA-4455A
160-174 MHz	—	RRA-4418A**
	—	RRA-4456A

*Heavy duty requires frequency when ordered.

**Cable not furnished. Order 01-80372A03.

UHF BAND QUARTER-WAVE

DESCRIPTION

This popular antenna series features stainless steel whips with fixed length for each sub-band. Solderless antenna connection makes for quick installation and easy removal when necessary. A wide selection in mounting configurations and conversion kits is available.

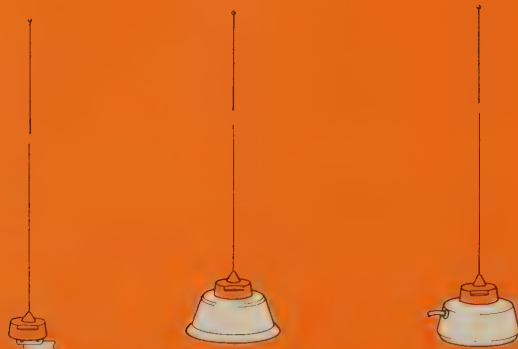
ELECTRICAL

Gain: Unity
Maximum Power: 150 watts
Frequency Range: 406-420; 430-512 MHz
VSWR: 1.5:1
Nominal Impedance: 50 ohms

MECHANICAL

Radiator Material: Stainless steel type
302 spring tempered
Cable & Length: RG 58A/U
Roof: 14'
Trunk Lip: 17'
Magnetic: 12'
Whip Length: Fixed, dependent on frequency
Connector: PL259
Antenna Connection: Solderless

150 WATTS



	ROOF	TRUNK LIP	MAGNETIC
406-420 MHz	TAE-6051A	RRA-4665A	RRA-4669A
430-450 MHz	TAE-6053A	RRA-4666A	RRA-4670A
450-470 MHz	TAE-6052A	RRA-4667A	RRA-4671A
470-512 MHz	TAE-6054A	RRA-4668A	RRA-4672A

CONVERSION KITS ★

MOTOROLA MOUNT

406-420 MHz	01-83938B05
430-450 MHz	01-83938B07
450-470 MHz	01-83938B06
470-512 MHz	01-83938B08

★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.



UHF BAND STANDARD STYLE

DESCRIPTION

With a 150 watt power rating, this series antenna provides the reliability necessary in professional environments. The stainless steel whip consists of two 17-7 PH spring tempered sections with a weather-proof phasing coil in the middle. Available with roof, trunk lip, and magnetic mounts or as a conversion kit for existing installations.

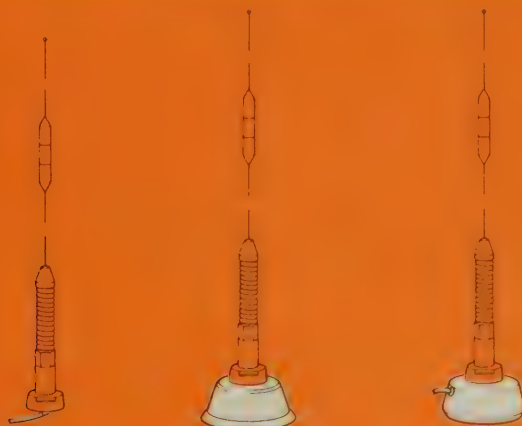
ELECTRICAL

Gain: 3.5 dB
Maximum Power: 150 watts
VSWR: Less than 2:1
Nominal Impedance: . . . 50 ohms

MECHANICAL

Radiator Material: 17-7 PH stainless steel spring tempered
Spring Material: Stainless steel
Cable & Length: RG 58/U
Roof: 14'
Trunk Lip: 17'
Magnetic: 12'
Whip Length: 29" maximum
Connector: PL259
Antenna Connection: . . . Solderless

150 WATTS



	ROOF	TRUNK LIP	MAGNETIC
	with spring	with spring	with spring
406-420 MHz	TAE-6071A	RRA-4673A	RRA-4677A
450-470 MHz	TAE-6072A	RRA-4674A	RRA-4678A
470-494 MHz	TAE-6074A	RRA-4675A	RRA-4679A
494-512 MHz	TAE-6075A	RRA-4676A	RRA-4680A

CONVERSION KITS ★

MOTOROLA MOUNT

	with spring
406-420 MHz	47-82005H03
450-470 MHz	47-82005H04
470-494 MHz	47-82005H05
494-512 MHz	47-82005H06

★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable intact.



UHF BAND LOW PROFILE

DESCRIPTION

This series antenna offers you style, power and flexibility. Features include stainless steel whips, shock resistant coils encased in a weatherproof base, and a choice of mounting options. Offered with or without springs providing a wide range of applications. The special rubberized spring series allows for quieter duplex operation and will perform to specifications down to -20°F (-28.8°C).

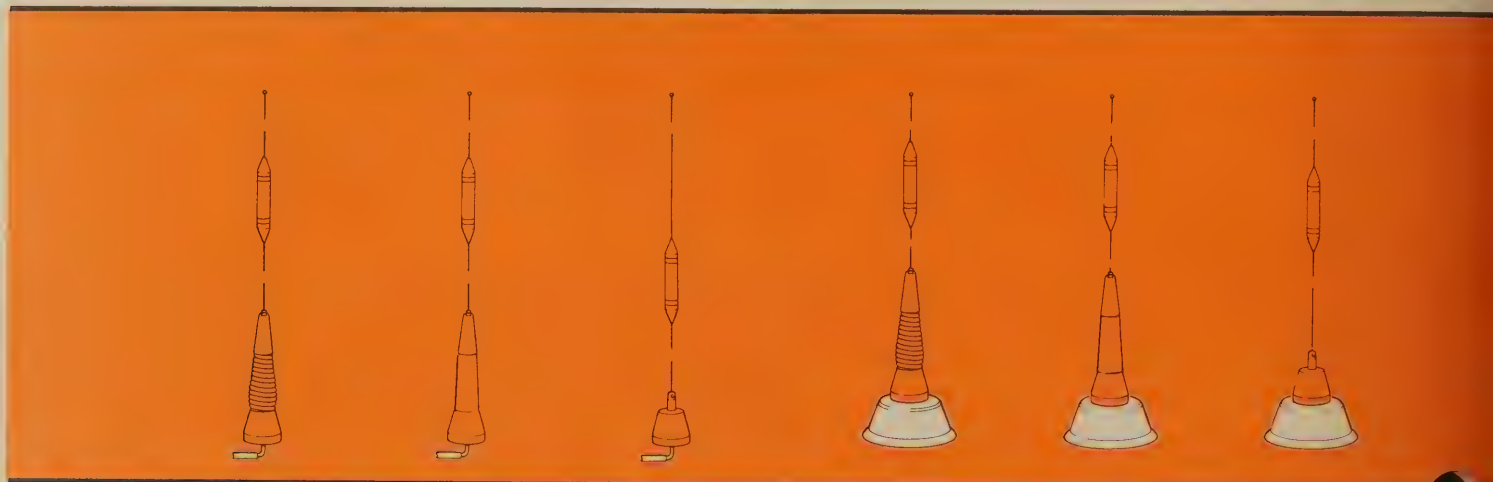
ELECTRICAL

Gain: 5dB
 Maximum Power: 150 watts
 Frequency Range: . . . 406-420; 450-512 MHz
 VSWR: Less than 1.5:1
 Nominal Impedance: . . 50 ohms
 Base Coil: 16 AWG copper wire;
 waterproof cover

Radiator Phasing

Coil: 14 AWG copper wire;
 encapsulated

150 WATTS



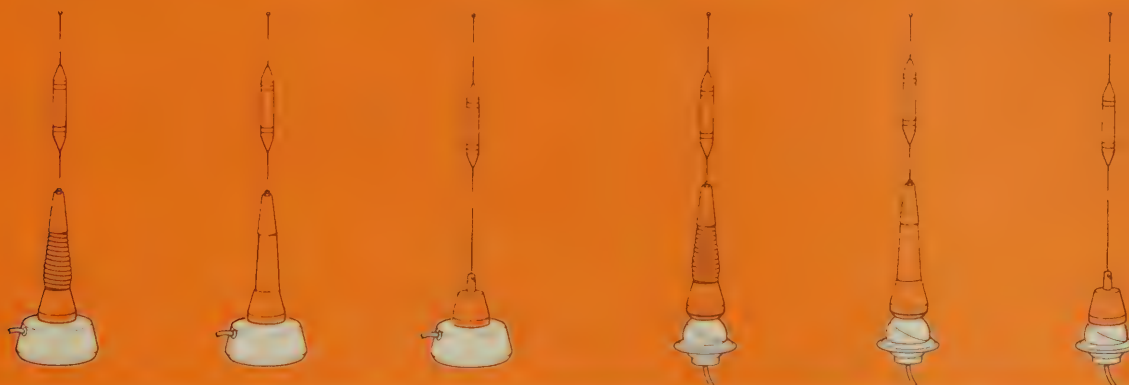
ROOF				TRUNK LIP		
	with spring	rubberized spring	less spring	with spring	rubberized spring	less spring
406-420 MHz	RRA-4600A	RRA-4697A	RRA-4604A	RRA-4608A	RRA-4705A	RRA-4612A
450-470 MHz	RRA-4601A	RRA-4698A	RRA-4605A	RRA-4609A	RRA-4706A	RRA-4613A
470-494 MHz	RRA-4602A	RRA-4699A	RRA-4606A	RRA-4610A	RRA-4707A	RRA-4614A
494-512 MHz	RRA-4603A	RRA-4700A	RRA-4607A	RRA-4611A	RRA-4708A	RRA-4615A
			with low-loss cable			
406-420 MHz	RRA-4640A	RRA-4701A	RRA-4747A	RRA-4644A	RRA-4709A	RRA-4751A
450-470 MHz	RRA-4641A	RRA-4702A	RRA-4748A	RRA-4645A	RRA-4710A	RRA-4752A
470-494 MHz	RRA-4642A	RRA-4703A	RRA-4749A	RRA-4646A	RRA-4711A	RRA-4753A
494-512 MHz	RRA-4643A	RRA-4704A	RRA-4750A	RRA-4647A	RRA-4712A	RRA-4754A

MECHANICAL

Radiator Material: 17-7 PH stainless steel
Spring Material: Stainless steel or rubberized
Base and Fittings: Molded plastic with threaded metal insert, silver-plated contact
Cable & Length : RG 58/U all models; TEFLON® low-loss option for roof and trunk lip models

Roof: 14'
Trunk Lip: 17'
Magnetic: 12'
Cowl: 17'

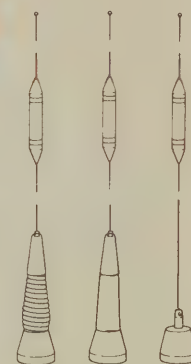
Connector: PL259
Whip Length: 36" maximum
Temperature Limits (Rubberized style only): -20°F (-28.8°C)



	MAGNETIC			COWL		
	with spring	rubberized spring	less spring	with spring	rubberized spring	less spring
406-420 MHz	RRA-4624A	RRA-4713A	RRA-4628A	RRA-4616A	RRA-4717A	RRA-4620A
450-470 MHz	RRA-4625A	RRA-4714A	RRA-4629A	RRA-4617A	RRA-4718A	RRA-4621A
470-494 MHz	RRA-4626A	RRA-4715A	RRA-4630A	RRA-4618A	RRA-4719A	RRA-4622A
494-512 MHz	RRA-4627A	RRA-4716A	RRA-4631A	RRA-4619A	RRA-4720A	RRA-4623A

CONVERSION KITS ★

	MOTOROLA MOUNTS			GE/DECIBEL		RCA SNAP-ON	
	with spring	rubberized spring	less spring	with spring	rubberized spring	with spring	rubberized spring
406-420 MHz	RRA-4632A	RRA-4721A	RRA-4636A	RRA-4648A	RRA-4725A	RRA-4652A	RRA-4729A
450-470 MHz	RRA-4633A	RRA-4722A	RRA-4637A	RRA-4649A	RRA-4726A	RRA-4653A	RRA-4730A
470-494 MHz	RRA-4634A	RRA-4723A	RRA-4638A	RRA-4650A	RRA-4727A	RRA-4654A	RRA-4731A
494-512 MHz	RRA-4635A	RRA-4724A	RRA-4639A	RRA-4651A	RRA-4728A	RRA-4655A	RRA-4732A



★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.

UHF BAND RUGGED, HEAVY DUTY, DOME AND INTERNATIONAL

DESCRIPTION: RUGGED

The 5dB gain UHF antenna series offers the reliable performance industry depends on. Features include a concealed spring to prevent breakage, two stainless steel elements with a phasing coil, and a choice of mounts and conversion kits. Low-loss cable supplied with trunk lip models. Magnetic models feature a heavy duty magnetic base.

ELECTRICAL: RUGGED

Gain: 5dB
Maximum Power: 150 watts
VSWR: Less than 1.5:1
Impedance: 50 ohms

MECHANICAL

Radiator Material: Stainless steel type
302 spring tempered
Internal Spring Material: .. Stainless steel
Cable & Length: RG 58/U or
TEFLON® low-loss
Roof: 14' RG 58/U
Trunk Lip: 17' TEFLON® low-loss
Magnetic: 12' RG 58/U
Connector: PL259
Antenna Connection: . . . Solderless

DESCRIPTION: HEAVY DUTY AND DOME

Both heavy-duty and dome antennas are specifically designed for railroad, bus, police and fire department applications, or wherever vehicular clearance problems exist. The antennas provide damage resistant reliability and mechanical strength where maintenance of communication is critical. Dome antennas are encased in high impact plastic and do not require field adjustment. The heavy duty model is made from cast aluminum and is preset to exact frequency prior to shipment.

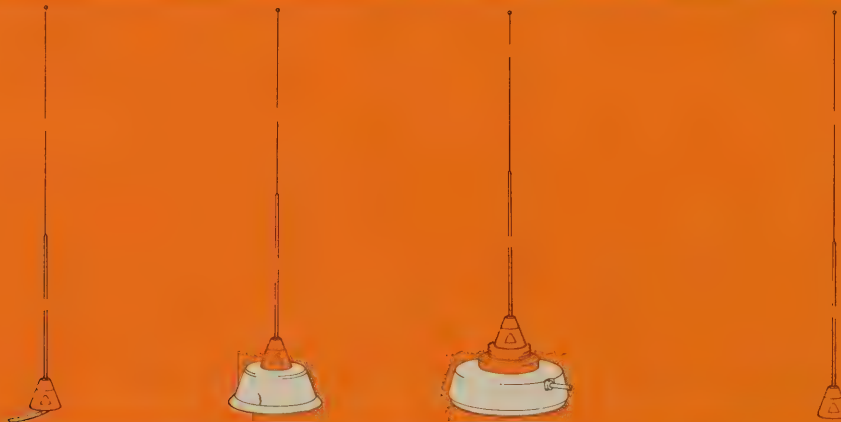
ELECTRICAL: HEAVY DUTY

Gain: Unity
Maximum Power: 300 watts
Frequency: 450-470 MHz
VSWR: 1.5:1
Band Width: 20 MHz

MECHANICAL

Radiator Material: Cast aluminum
Length: 6⁵/₁₆
Height: 2¹/₂'
Connector: Female UHF
Cable: Use low-loss TEFLON® cable

150 WATTS (RUGGED)



ROOF		TRUNK LIP	MAGNETIC	CONVERSION KITS ★
				MOTOROLA MOUNT
with spring		with spring	with spring	with spring
406-430 MHz	TAE-6061B	RRA-4681A	RRA-4686A	TLE-6151B
430-450 MHz	TAE-6063B	RRA-4682A	RRA-4687A	TLE-6153B
450-470 MHz	TAE-6062B	RRA-4683A	RRA-4688A	TLE-6152B
470-494 MHz	TAE-6094B	RRA-4684A	RRA-4689A	TLE-6154B
494-512 MHz	TAE-6095B	RRA-4685A	RRA-4690A	TLE-6155B

★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.

ELECTRICAL: DOME

Gain: Unity
 Maximum Power: 150 watts
 Frequency Range: 450-512 MHz
 VSWR: Less than 1.5:1
 Band Width: 14 MHz minimum
 Nominal Impedance: 50 ohms

DESCRIPTION: INTERNATIONAL

This 5/8 wavelength collinear antenna series provides 5dB omni-directional gain. The low profile waterproof base which encloses a low-loss air wound coil, includes a threaded metal insert. One piece design of the whip and phasing coil resists vibration and moisture.

MECHANICAL

Radiator Material: Silver-plated brass
 Dome Material: High impact molded ASA
 Color: White
 Height: 3³/₈"
 Length: 8"
 Width: 3¹/₂"
 Connector: SO239
 Cable & Length: RG 58/U 20'
 Cable Connector: PL259

ELECTRICAL: INTERNATIONAL

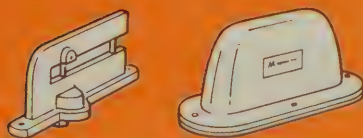
Gain: 5dB
 Maximum Power: 50 watts
 Frequency Range: 350-390 MHz
 VSWR: Less than 1.5:1
 Nominal Impedance: 50 ohms
 Base Coil: 16 AWG copper wire
 in a waterproof cover
 Phasing Coil: 14 AWG copper wire
 encapsulated with radiators

MECHANICAL

Radiator Material: 17-7 PH stainless steel
 Base and Fittings: Molded plastic with a threaded metal insert, and silver-plated contacts
 Cable & Length: RG 58/U
 Roof: 17'
 Trunk Lip: 17'
 Magnetic: 12'
 Connector: PL259
 Whip Length: 43¹/₂"
 Antenna Connection: Solderless

300 WATTS (HEAVY DUTY)
150 WATTS (DOME)

50 WATTS (INTERNATIONAL)



HEAVY DUTY*		DOME
450-470 MHz	TDE-6100A**	—
450-470 MHz	—	RRA-4656A †
	—	RRA-4738A
470-488 MHz	—	RRA-4657A †
	—	RRA-4739A
488-512 MHz	—	RRA-4740A
	—	RRA-4658A †

	ROOF	TRUNK LIP	MAGNETIC
	less spring	less spring	less spring
350-390 MHz	RRA-4733A	RRA-4734A	RRA-4735A

CONVERSION KITS ★		
	RCA SNAP-ON	MOTOROLA MOUNT
350-390 MHz	RRA-4737A	RRA-4736A

*specify frequency when ordering heavy duty antenna

**Cable not supplied. Order 01-80372A04

†Cable not supplied. Order 01-80372A03

★ Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.



800 MHz QUARTER-WAVE, LOW PROFILE AND DOME

DESCRIPTION

QUARTER-WAVE

One of the standards of the industry, this series combines style and reliability. Features include a type 302 stainless steel whip with fixed length for easy installation. Low loss TEFLON® cable provided.

LOW PROFILE

This stylish antenna series is capable of handling 150 watts of power. Standard features include a one-piece stainless steel whip and phasing coil constructed to provide 3 dB gain. A low loss TEFLON® cable included with the antenna reduces line attenuation.

DOME

Specifically designed to withstand the punishment inherent in heavy duty truck and bus usage, this antenna series offers the reliability industry is looking for. Constructed of high impact plastic, dome antennas have the mechanical strength to help assure communication at critical times. No field adjustments required for tuning.

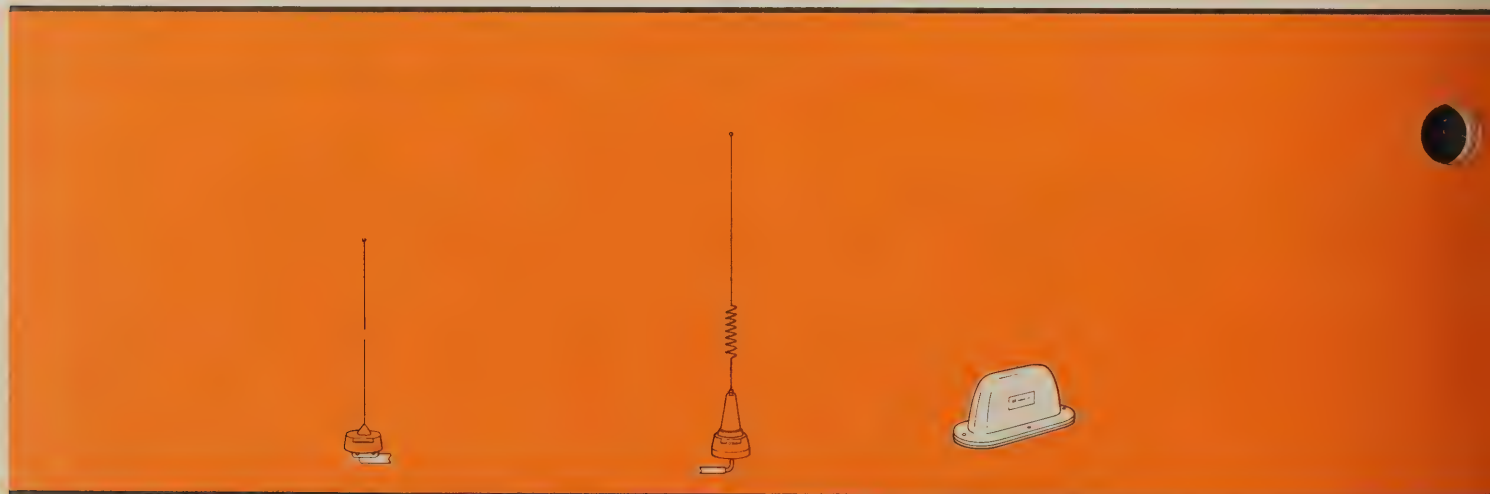
ELECTRICAL: QUARTER-WAVE

Gain: Unity
 Maximum Power: 150 watts
 Frequency Range: 806-866 MHz
 VSWR: Less than 1.5:1
 Nominal Impedance: 50 ohms

MECHANICAL

Radiator Material: Stainless steel type
 302 spring tempered
 Cable & Length: Low loss TEFLON®
 Roof: 14'
 Whip Length: Fixed, 3¼"
 Connector: PL259 or "N"
 (TEFLON® insulated)
 Antenna Connection: Solderless

150 WATTS



QUARTER-WAVE		LOW PROFILE	DOME
ROOF		ROOF	DOME
806-866 MHz	TAF-6041A (with UHF connector)	RRA-4900A (with UHF connector)	RRA-4905A*
	RRA-4907A (with "N" connector)	RRA-4909A (with "N" connector)	RRA-4908A

*Cable not furnished. Order 01-80372A04.

DISGUISE ANTENNAS

DESCRIPTION: DISGUISE

This antenna series features low, high, and UHF bands. Low band versions offer unity gain while high and UHF are available in a unity or 2.5 dB gain configuration. The Ford, Chrysler, and AMC antennas are

designed to look like original equipment antennas. Universal/GM antennas feature standard or miniature mounts with swivel base that can be used on a surface with 35° of slope.

SPECIFICATIONS

LOW BAND DISGUISE ANTENNAS

ELECTRICAL	UNIVERSAL/GM STEPPED	MINIATURE UNIVERSAL/GM 31" STYLE	FORD 40" STYLE	FORD QUARTER- WAVE	CHRYSLER QUARTER- WAVE	CHRYSLER FULL LENGTH	AMC 31" STYLE	AMC STEPPED
Gain	Unity	—	—	Unity	—	Unity	—	Unity
Maximum Pwr.	100 watts	100 watts	150 watts	150 watts	125 watts	125 watts	100 watts	150 watts
Freq. Range	25-50 MHz	30-50 MHz	25-50 MHz	39-50 MHz	25-50 MHz	39-50 MHz	30-50 MHz	30-50 MHz
V.S.W.R.	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Nominal Impedance	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
Stub Loaded Cable	—	Supplied	Supplied	—	Supplied	—	Supplied	Supplied

MECHANICAL

Radiator Material	17-7PH stainless	Removable stepped stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless	Removable stepped stainless	17-7PH stainless
Whip Length	56"	31"	40"	73" at 39 MHz	40"	73" at 39 MHz	31"	5.25" at 30 MHz

HIGH BAND DISGUISE ANTENNAS

ELECTRICAL	UNIVERSAL/GM QUARTER-WAVE	UNIVERSAL/GM 2.5DB Gain	MINIATURE UNIVERSAL/GM QUARTER-WAVE	FORD QUARTER- WAVE	FORD 2.5DB Gain	CHRYSLER QUARTER- WAVE	CHRYSLER 2.5DB Gain	AMC 31" STYLE	AMC 2.5DB Gain
Gain	Unity	2.5dB	Unity	Unity	2.5dB	Unity	2.5dB	Unity	2.5dB
Maximum Pwr.	100 watts	100 watts	150 watts	125 watts	150 watts	125 watts	150 watts	150 watts	150 watts
Freq. Range	132-174 MHz	132-174 MHz	132-174 MHz	144-174 MHz	144-174 MHz	144-174 MHz	144-174 MHz	132-174 MHz	132-174 MHz
V.S.W.R.	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Nominal Impedance	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
Stub Loaded Cable	—	Supplied	Supplied	—	Supplied	—	Supplied	Supplied	Supplied

MECHANICAL

Radiator Material	17-7PH stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless copper nickel plated	17-7PH stainless	17-7PH stainless copper nickel plated	17-7PH stainless	Removable stepped stainless
Whip Length	20"	50"	31"	17" at 155 MHz	41" at 155 MHz	17" at 155 MHz	41" at 155 MHz	31"	53.5"

UHF DISGUISE ANTENNAS

ELECTRICAL	UNIVERSAL/GM QUARTER-WAVE	UNIVERSAL/GM 2.5DB GAIN	MINIATURE UNIVERSAL/GM 31" STYLE	MINIATURE UNIVERSAL/GM 2.5DB GAIN	FORD 2.5DB GAIN	CHRYSLER 2.5DB GAIN	AMC 31" STYLE	AMC 2.5DB GAIN
Gain	Unity	2.5dB	Unity	2.5dB	2.5dB	2.5dB	Unity	2.5dB
Maximum Pwr.	100 watts	100 watts	150 watts	150 watts	100 watts	100 watts	150 watts	150 watts
Freq. Range	406-512 MHz	406-512 MHz	406-512 MHz	406-512 MHz	406-512 MHz	406-512 MHz	406-512 MHz	406-512 MHz
V.S.W.R.	Less than 1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
Nominal Impedance	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
Stub Loaded Cable	—	Supplied	Supplied	Supplied	Supplied	Supplied	Supplied	Supplied

MECHANICAL

Radiator Material	Chrome plated brass and stainless steel	17-7PH stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless	17-7PH stainless
Whip Length	Dependent on frequency approx. 6"	20"	33"	20"	15"	15"	33"	20"

DESCRIPTION : FIELD TUNABLE DISGUISE

This series of antennas offers you the ability to easily tune a disguise antenna in the field. The series is inconspicuously styled to Universal/GM, Miniature Universal/GM, Ford, Chrysler, and AMC

mounts. It provides the flexibility to stock replacements and change frequency as necessary. When a coupler is used, both broadcast radio reception and two-way communication can occur simultaneously.

ELECTRICAL: FIELD TUNABLE

MECHANICAL

	Low Band	High Band	UHF Band		Low Band	High Band	UHF Band
Maximum Power: . . .	100 watts	150 watts	150 watts	Radiator Material:	17-7 PH	17-7 PH	17-7 PH
Gain:	Unity	Unity	Unity		stainless steel	stainless steel	stainless steel
Frequency Range: . . .	30-50 MHz	146-174 MHz	406-512 MHz	Whip Length:	31"	31"	31"
V.S.W.R.:	1.5:1	1.5:1	1.5:1	Cable:	RG213/U	RG213/U	RG213/U
Band Width:	60 KHz	1 MHz	3 MHz	Cable Length:	40"	40"	40"
Nominal Impedance: . .	50 ohms	50 ohms	50 ohms	Antenna Tuner Connector: . .	S0239	S0239	S0239
Tunable Network: . . .	Supplied	Supplied	Supplied	Antenna Cable Connector*: . .	PL259	PL259	PL259

*Cable from tuner to radio not supplied

MODEL INFORMATION

SPECIFY FREQUENCY
WHEN ORDERING
NON-TUNABLE
ANTENNAS



	UNIVERSAL/GM	MINIATURE UNIVERSAL/GM	FORD	CHRYSLER	AMC
LOW BAND					
25-50 MHz	TDB-6050A (56" Whip)	—	—	—	—
30-50 MHz	RRA-4079A*	RRA-4073A (31" Style) RRA-4080A*	RRA-4081A*	RRA-4082A*	RRA-4075A (31" Style) RRA-4076A (Stepped style) RRA-4083A*
39-50 MHz	—	—	RRA-4069A† (Quarter-Wave) RRA-4070A (40" Style)	RRA-4071A† (Quarter-Wave) RRA-4072A (40" Style)	—
HIGH BAND					
132-174 MHz	TDD-6130A (Quarter-Wave) TDD-6140A (2.5 dB Gain)	RRA-4442A (31" Style)	—	—	RRA-4444A (31" Style) RRA-4445A (2.5 dB Gain)
144-174 MHz	—	—	RRA-4420A† (Quarter-Wave) RRA-4421A (2.5 dB Gain) RRA-4459A*	RRA-4422A† (Quarter-Wave) RRA-4423A (2.5 dB Gain) RRA-4460A*	—
146-174 MHz	RRA-4457A*	RRA-4458A*	—	—	RRA-4461A*
UHF					
406-512 MHz	RRA-4746A (Quarter-Wave) TDE-6120A (2.5 dB Gain) RRA-4741A*	RRA-4691A (31" Style) RRA-4692A (2.5 dB Gain) RRA-4742A*	RRA-4664A (2.5 dB Gain) RRA-4743A*	RRA-4663A (2.5 dB Gain) RRA-4744A*	RRA-4693A (31" Style) RRA-4694A (2.5 dB Gain) RRA-4745A*

*Field Tunable; cable connecting tuning network to antenna is supplied; cable from tuning network to radio not supplied with antenna; order 01-80372 A03.

†Cable not supplied, order RG58A/U or low loss cable and PL259 connectors.

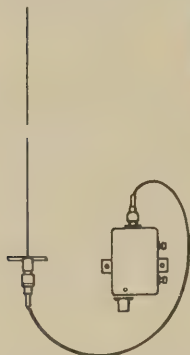
SPECIAL PURPOSE ANTENNAS

DECK MOUNT REAR WINDOW

DESCRIPTION

Featuring copper-plated and TEFLON® coated stainless steel whips, this field-tunable antenna series provides the security of having your antenna

inside your vehicle, thus reducing the possibility of whip breakage and eliminating the necessity for exterior holes.



	High Band	UHF Band
ELECTRICAL		
Gain:	—	2dB
Maximum Power:	100 watts	125 watts
Freq Range:	146-174 MHz	406-512 MHz
VSWR:	1.5:1	1.5:1
Nominal Impedance:	50 ohms	50 ohms
Tuning Network:	Supplied	Supplied

	High Band	UHF Band
MECHANICAL		
Radiator Material:	17-7Ph stainless TEFLON® coated	17-7Ph stainless TEFLON® coated
Whip Length:	15.75"	15.75"
Cable:	RG58/U	RG58/U
Interconnect Cable Length:*	13.5"	24"
Cable Connector:	PL259	PL259
Antenna Connection:	Solderless	Solderless

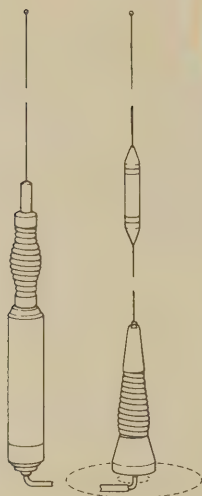
*Cable from tuner to radio not supplied with antenna; order 01-80372A03.

NO GROUND PLANE

DESCRIPTION

This series of antennas is designed for applications where the vehicle lacks a metal ground plane, such as a vehicle's fiberglass roof. The stanchion included with this series allows the mounting surface to be

up to one-half inch thick. Supplied as with-spring models only, the high band version is a center-fed style, while the UHF band includes a grounding disc.



	High Band	UHF Band
ELECTRICAL		
Gain:	2dB	5dB
Maximum Power:	100 watts	100 watts
Freq Range:	130-174 MHz	406-512 MHz
VSWR:	1.5:1	1.5:1
Nominal Impedance:	Ungrounded, series-fed "L" network	50 ohms
Base Coil:	Capacitor tuned, PVC jacket	14 AWG Copper clad steel wire in weather-proof housing
Phasing Coil:	—	14 AWG copper wire, encapsulated with radiators

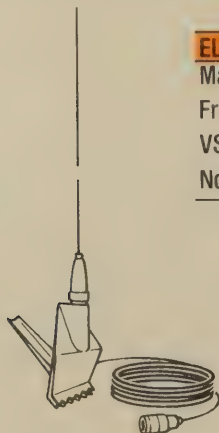
	High Band	UHF Band
MECHANICAL		
Radiator Material:	17-7Ph stainless steel	17-7Ph stainless steel
Spring Material:	stainless steel	stainless steel
Base and Fitting:	Chrome plated brass and plated steel	Aluminum and plated steel
Cable:	RG58/U	RG58/U
Cable Length:	17'	17'
Connector:	PL259	PL259
Antenna Connection:	Solderless	Solderless
Whip Length:	44"	34"

GUTTER MOUNT ANTENNAS

DESCRIPTION

With 100 watt power rating, this antenna is ideal for temporary installations. The quarter-wave antenna clips easily on the vehicle's rain gutter for

immediate on-the-air communications. The antenna is field tuned and includes cable and PL259 connector.



ELECTRICAL	
Maximum Power:	100 watts
Freq Range:	136-512 MHz
VSWR:	Less than 1.5:1
Nominal Impedance:	50 ohms

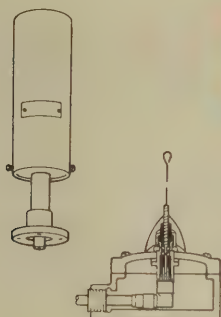
MECHANICAL	
Radiator Material:	302 type stainless steel
Base:	Cadmium-plated steel
Cable:	RG58/U
Cable Length:	10'
Connector:	PL259
Whip Length:	24.5" maximum

RAILROAD

DESCRIPTION

Designed specifically for rugged railroad operations, these antennas meet AAR standards. The rigid style consists of two concentric

cylinders; the conduit style is installed into a conduit box to provide weatherproofing.



	Rigid	Conduit Quarter-Wave
ELECTRICAL		
Maximum Power:	100 watts	150 watts
Freq Range:	158-162 MHz	152-174 MHz
VSWR:	Less than 1.5:1	Less than 1.5:1
Band Width:	4 MHz	—
Nominal Impedance:	50 ohms	50 ohms

	Rigid	Conduit Quarter-Wave
MECHANICAL		
Radiator Material:	Silver plated brass	302 type stainless
Cable:	RG8/U	RG8/U
Connector:	SO239	PL259
Height/Whip Length:	11 3/8"	21 1/8" max.

COAXIAL

DESCRIPTION

These high quality center-fed coaxial type antennas operate efficiently even when a ground plane is unavailable. High band coaxials are unity gain, UHF are 3dB gain with extra support mast for mounting on large trucks, and

800 MHz coaxial is half-wave unity gain. Available accessories include a choice of bumper or side mounts.



	High Band	UHF Band	800 MHz
ELECTRICAL			
Gain:	Unity	3dB	Unity
Maximum Power:	150 watts	150 watts	150 watts
Freq Range:	132-174 MHz	450-470 MHz	806-896 MHz
VSWR:	1.5:1	1.5:1	2:1
Nominal Impedance:	50 ohms	50 ohms	50 ohms

	High Band	UHF Band	800 MHz
MECHANICAL			
Connector:	PL259	PL259	PL259
Cable:	RG58/U	RG58A/U	T-550†
Cable Length:	15"	10"	15"

†For replacement, order low-loss TEFLON®

MODEL INFORMATION

	Rear Window	No Ground Plane	Gutter	Railroad	Coaxial
High Band	132-174 MHz RRA-4446A	2dB Gain 130-174 MHz RRA-4419A	130-174 MHz NDD-6000A	Conduit 152-174 MHz TAD-6020A Rigid 158-162 MHz TAD-6010A	132-144 MHz TAD-6050A* 144-150 MHz TAD-6041A* 150-162 MHz TAD-6042A* 162-174 MHz TAD-6043A*
UHF	2dB Gain 406-512 MHz RRA-4695A	5dB Gain 406-420 MHz RRA-4659A 5dB Gain 450-470 MHz RRA-4660A 5dB Gain 470-494 MHz RRA-4661A 5dB Gain 494-512 MHz RRA-4662A	406-512 MHz NDD-6000A	—	3dB Gain 450-470 MHz TAE-6010A* 3dB Gain 450-470 MHz TAE-6020A* (extra long support mast)
800 MHz	—	—	—	—	3dB Gain 806-866 MHz RRA-4906A*

* Order TLN-6182A side mount kit, or TLN-6414A bumper mounting kit, when ordering any coaxial antenna.

SPECIAL PURPOSE ANTENNAS

MOTORCYCLE ANTENNAS 5dB GAIN

This durable antenna features 5dB gain performance and a collinear array with two stainless-steel elements. Matching network allows field tuning without the need for cutting the whip.



UHF	
ELECTRICAL	
Gain:	5 dB
Maximum Power:	150 watts
Freq Range:	450-470 MHz
VSWR:	1.5:1
Nominal Impedance:	50 ohms

QUARTER-WAVE

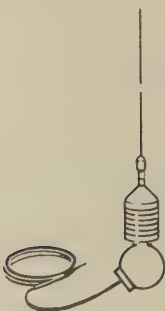
This antenna series offers the same dependability as is found in our standard quarter-wave series. Featuring a spring tempered stainless steel whip, this series is easy to install and can even be mounted on saddlebags with an extra bracket.



	High Band	UHF
ELECTRICAL		
Gain:	Unity	Unity
Maximum Power:	100 watts	100 watts
Freq Range:	136-174 MHz	450-470 MHz
VSWR:	Less than 1.5:1	Less than 1.5:1
Nominal Impedance:	50 ohms	50 ohms

SERVI-CAR

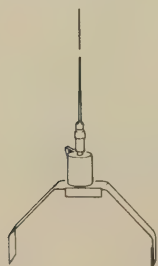
Designed for installation on three-wheel motorcycles having fiberglass trunk compartments, these antennas are omnidirectional, vertically polarized base loaded. Loading coils allow the stainless steel whip length to be reduced to 50" maximum.



	Low Band	High Band
ELECTRICAL		
Gain:	Unity	Unity
Maximum Power:	45 watts	45 watts
Freq Range:	37-50 MHz	144-174 MHz
VSWR:	1.5:1	1.5:1
Normal Impedance:	50 ohms	50 ohms
Loading Coil:	Grounded or tap fed	—

SOLOCYCLE

Intended for rear fender mounting on two-wheel motorcycles, these antennas have a fiberglass whip that dampens vibration. Special mounts provide long lasting service.



	Low Band	High Band
ELECTRICAL		
Gain:	—	Unity
Maximum Power:	100 watts	100 watts
Freq Range:	25-50 MHz	144-174 MHz
Normal Impedance:	50 ohms	50 ohms
Loading Coil:	DC grounded, shunt-fed PVC jacket	—

UHF	
MECHANICAL	
Radiator Material:	Stainless steel type 302 spring tempered
Internal Spring Material:	Stainless steel
Cable:	RG58A/U
Cable Length:	8'
Connector:	PL259
Antenna Connection:	Solderless

	High Band	UHF
MECHANICAL		
Radiator Material:	Stainless steel type 302	Stainless steel type 302
Cable:	RG58A/U	RG58A/U
Cable Length:	8'	8'
Whip Length:	Fixed	Fixed
Connector:	PL259	PL259
Antenna Connection:	Solderless	Solderless

	Low Band	High Band
MECHANICAL		
Radiator Material:	Fiberglass molded connects with vinyl plastic	Stainless steel type 302
Base and Fittings:	Stainless steel & chrome plated brass	Albaloy and cadmium-plated brass with a neoprene cover.
Cable:	RG58A/U	RG58A/U
Cable Length:	8'	8'
Connector:	PL259	PL259
Whip Length:	50" maximum	18.5" maximum
Antenna Connection:	Solderless	Solderless

	Low Band	High Band
MECHANICAL		
Radiator Material:	Fiberglass wrapped 17-7 PH stainless steel	Stainless steel type 302
Spring Material:	Stainless steel	—
Base and Fittings:	Stainless steel and chrome plated brass	Stainless steel and chrome plated brass
Cable:	RG58/U	RG58A/U
Cable Length:	4'	4'
Connector:	PL259	PL259
Whip Length:	48"	18.5"

MODEL INFORMATION: MOTORCYCLE ANTENNAS

	5 dB GAIN*	QUARTER-WAVE*	SERVI CARS	SOLO CYCLES
LOW BAND	— — — — —	— — — — —	37-40 MHz NAB-6121A 40-42 MHz NAB-6122A 42-45 MHz NAB-6123A 45-50 MHz NAB-6124A	25-30 MHz RRX-4000A 30-33 MHz RRX-4001A 33-36 MHz RRX-4002A 36-42 MHz RRX-4003A 42-50 MHz RRX-4004A
HIGH BAND	— — — — —	136-144 MHz TAD-6211A 144-152 MHz TAD-6212A 152-162 MHz TAD-6213A 162-174 MHz TAD-6214A	144-162 MHz NAD-6031B 162-174 MHz NAD-6032B	144-162 MHz NAD-6041A 162-174 MHz NAD-6042A
UHF	450-470 MHz TAE-6082B	450-470 MHz TAE-6122A	—	—

*Saddlebag bracket NLN-6850A available.

INDUSTRIAL POWER ANTENNAS

LOW POWER

Rated at 12 watts, this antenna series is recommended for temporary installations. Low band models have loading coils, while the high band and UHF models are quarter-wave antennas.



	Low Band	High Band	UHF
ELECTRICAL			
Maximum Power:	15 watts	15 watts	15 watts
Freq Range:	25-54 MHz	132-174 MHz	450-470 MHz
VSWR:	1.5:1	1.5:1	1.5:1
Nominal Impedance:	50 ohms	50 ohms	50 ohms
Loading Coil:	Grounded or tap fed	—	—

	Low Band	High Band	UHF
MECHANICAL			
Radiator Material:	Stainless steel type 302	Stainless steel type 302 encapsulated	Stainless steel type 302 with plastic cap
Connector:	PL259	PL259	PL259
Whip Length:	42"	19.5" max.	9"

MEDIUM POWER

Designed for 50 watt or less applications, this antenna series is ideal for industrial dispatch operations. Field adjustable via a slug-tuned loading coil, this series is intended to mount directly to the radio.



	Low Band
ELECTRICAL	
Maximum Power:	50 watts
Freq Range:	30-54 MHz
VSWR:	1.5:1
Nominal Impedance:	50 ohms
Loading Coil:	Grounded or tap fed

	Low Band
MECHANICAL	
Radiator Material:	Stainless steel type 302
Connector:	PL259
Whip Length:	42"

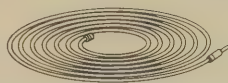
MODEL INFORMATION: INDUSTRIAL ANTENNAS

LOW BAND	HIGH BAND	UHF
25-30 MHz NAB-6141A	132-150.8 MHz NAD-6181B†	450-470 MHz NAE-6060A
30-36 MHz NAB-6142A	132-150.8 MHz NAD-6130A	
30-36 MHz NAB-6202A*	150.8-162 MHz NAD-6182B†	
36-42 MHz NAB-6143A	150.8-162 MHz NAD-6131A	
36-42 MHz NAB-6203A*	162-174 MHz NAD-6183B†	
42-48 MHz NAB-6144A	162-174 MHz NAD-6132A	
42-48 MHz NAB-6204A*		
48-54 MHz NAB-6145A		

*Medium power models

†Right angle connector not supplied. Order 28-48250

CABLES • CONNECTORS



DISGUISE CABLE

	REAR WINDOW INTERCABLE	UNIVERSAL/GM STUBBED CABLE	FORD STUBBED CABLE	CHRYSLER STUBBED CABLE	DOVE CABLE
Low Band	—	47-80372A41*	01-80371A33*	01-80371A36*	—
High Band	01-80371A45	47-80372A42	01-80371A39**	01-80371A39**	01-80372A03
UHF Band	01-80371A46	47-80372A43**	—	—	01-80342A03
800 MHz	—	47-80372A40**	—	—	01-80372A04***

*frequency required when ordered

**frequency required; used with 2.5 dB gain antennas

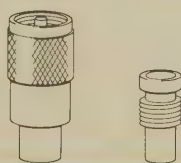
***recommended for heavy duty antenna

INTERCABLE FOR FIELD TUNABLE DISGUISE ANTENNAS (supplied as fixed length with 2 connectors)

	UNIVERSAL/GM	MINIATURE UNIVERSAL/GM	FORD	CHRYSLER	AMC
Low, High & UHF	01-80371A93	01-80371A93	01-80371A93	01-80371A93	01-80371A93

MISCELLANEOUS COAXIAL CABLE (50 ohms)

Cable Type							
LENGTH	RG8/U	RG58A/U	RG9/U	RG142B/U	174/U	188/U	LOW-LOSS TEFLON™
50 ft.	—	—	PK-609	PK-610	—	PK-370	—
100 ft.	PK-358	PK-362	—	—	PK-369	—	—
250 ft.	PK-359	PK-363	—	—	—	—	—
500 ft.	PK-360	PK-364	—	—	—	—	—
1000 ft.	PK-361	PK-365	—	—	—	—	—
Specify length required	—	—	—	—	—	—	30-82921H01





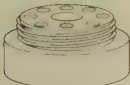




CONNECTORS

PART NUMBER	DESCRIPTION
29-580544	Antenna plug to connect antenna cable to broadcast radio
28-852527	.212 I.D. male "N" plug for RG58A/U cable
28-42310	PL259 plug for RG8/U, RG9/U, 11/U Mica filled insulation
28-48250	UHF right angle plug
28-82021G01	PL259 nickel plated plug for RG8/U, RG9/U, 11/U TEFLON™ insulation
28-80325A29	PL259 silver plated plug for RG8/U, RG9/U, 11/U TEFLON™ insulation
58-854020	.207 I.D. reducer for use with PL259 plug for RG58/U, RG58A/U, RG142/U cable
58-848363	.255 I.D. reducer for use with PL259 plug for RG58U, RG58A/U, RG142/U cable

BASE CONNECTORS • ADAPTORS

MOTOROLA ANTENNA BASE CONNECTORS

BASE CONNECTOR/ADAPTOR		LOW BAND	MID BAND	HIGH BAND	UHF	800 MHz
	58-83043H89 Adaptor* 32-83043H88 Gasket* *Included with Coil Assembly	Standard, Rugged	—	Standard, Rugged	—	—
	58-82283B01	—	—	Quarter-Wave	Quarter-Wave, Standard (with 07-82120H10)	Quarter-Wave
	14-82448L01	Swivel Mount Base Loaded	—	—	—	—
	01-80371A40	—	Quarter-Wave	Wide Space Quarter-Wave	—	Low Profile
CONVERSION ADAPTORS**						
	58-80371A21 For use with new-type General Electric Mount	Standard, Rugged	Quarter-Wave	Quarter-Wave, Low Profile, Standard, Rugged, Wide Space, Quarter-Wave	Quarter-Wave, Low Profile, Standard, Rugged	Quarter-Wave, Low Profile
	58-80371A22 For use with SNAP-ON mount	Standard, Rugged	Quarter-Wave	Quarter-Wave, Low Profile, Standard, Rugged, Wide Space, Quarter-Wave	Quarter-Wave, Low Profile, Standard, Rugged	Quarter-Wave, Low Profile
	58-80371A23 For use in mounting TAB-6060 series antenna on SNAP-ON mount	TAB-6060A Series Only	—	—	—	—

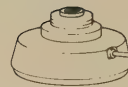
**Required when using Motorola antennas with non-Motorola style mounts.



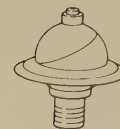
WHIP ADAPTORS

	QUARTER-WAVE	LOW PROFILE	STANDARD
Whip Adaptor	43-844171	01-80371A11 (high band) 01-80371A20 (UHF) 01-80371A42 (800 MHz)	58-83042H86 (low and high band)

MOUNTS • WHIPS



Magnetic



Universal/GM



Chrysler

ANTENNA MOUNTS

ROOF	MAGNETIC*	TRUNK LIP	COWL*
01-80703B46 (low, mid, high band & UHF)	01-80371A08 (standard mount)	01-80371A28 (standard mount)	01-80371A07 (standard mount)
01-80786B28 (800 MHz models w/low-loss cable)	01-80371A27 (heavy duty mount)	01-80371A29 (800 MHz models w/low-loss cable)	
01-80371A24 (no ground plane)			

*Magnetic and Cowl mounts are not recommended for 800 MHz

DISGUISE ANTENNA MOUNTS**

UNIVERSAL/GM	MINIATURE UNIVERSAL/GM	FORD	CHRYSLER	AMC	REAR WINDOW
01-80372A02 (Quarter-Wave)	01-80371A49† (low, high, UHF) 01-80371A55† (UHF: 2.5 dB gain)	01-80371A31	01-80371A55	01-80371A54† (low band) 01-80371A52† (low band: stepped style) 01-80371A57 (high band) 01-80371A59† (high band: 2.5 dB gain) 01-80371A60 (UHF)† 01-80371A62† (UHF: 2.5 dB gain)	01-80371A44

**Includes installation hardware

†Includes installation hardware and cable

WHIPS

	LOW BAND	MID BAND	HIGH BAND	UHF	800 MHz
Quarter-Wave	25-50 MHz 47-84953B02	64-88 MHz 47-83046H01	132-136 MHz 01-83938B09 136-144 MHz 01-83938B01 136-162 MHz 47-80371A95* 144-152 MHz 01-83938B02 146-174 MHz 47-80371A97* 152-162 MHz 01-83938B03 162-174 MHz 01-83938B04	406-420 MHz 01-83938B05† 430-450 MHz 01-83938B07† 450-470 MHz 01-83938B06† 470-512 MHz 01-83938B08†	806-866 MHz 01-83938B11
Low Profile	—	—	138-174 MHz 47-83046H01	350-390 MHz 01-80372A05 406-420 MHz 01-80371A13** 406-420 MHz 01-80371A67 450-470 MHz 01-80371A14** 450-470 MHz 01-80371A68 470-494 MHz 01-80371A15** 470-494 MHz 01-80371A69	806-866 MHz 01-80371A41

WHIPS, CONTINUED

	LOW BAND	MID BAND	HIGH BAND	UHF	800 MHz
Low Profile con't				494-512 MHz** 01-80371A16 494-512 MHz 01-80371A70	
Standard	25-50 MHz 47-83046H01	—	138-174 MHz 47-83046H01	Available as Conversion Kit only	—
Rugged	25-50 MHz 47-84977F01	—	138-174 MHz 47-84977F01	Available as Conversion Kit only	—
No Ground Plane	—	—	138-174 MHz 47-83046H01	406-420 MHz** 01-80371A13 450-470 MHz** 01-80371A14 470-494 MHz** 01-80371A15 494-512 MHz** 01-80371A16	—
Rear Window	—	—	138-174 MHz 01-80371A43	406-512 MHz 01-80371A43	—
Coaxial	—	—	132-144 MHz 47-82188A04 144-150 MHz 47-82188A01 150-162 MHz 47-82188A02 162-174 MHz 47-82188A03	450-470 MHz 01-80371A73	806-866 MHz 01-80371A74

*wide space

**used with spring models

†these UHF models do not include phasing coil

DISGUISE WHIPS

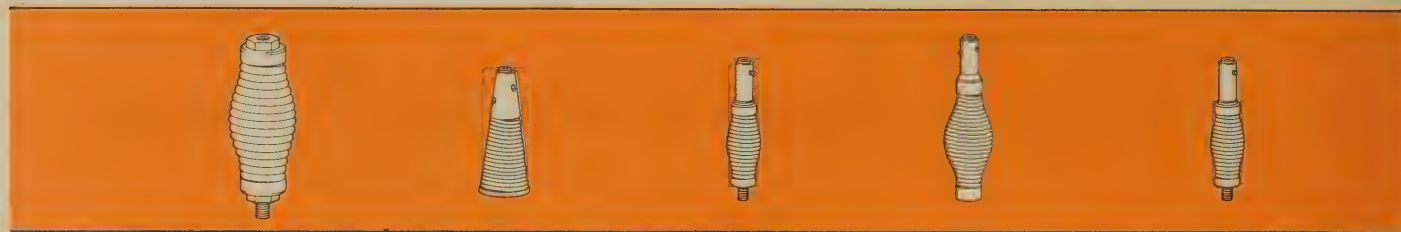
	UNIVERSAL/GM	MINIATURE VERSION/GM	FORD CHRYSLER	AMC
Low Band				
31" Style	01-80371A89*	01-80371A49*	01-80371A90* (Ford) 01-80371A91* (Chrysler)	01-80371A51 01-80371A92*
40" Style	—	—	01-80371A32	—
Quarter-Wave	—	—	01-80371A30†	—
Stepped	47-80372A37	—	—	01-80371A53†
High Band				
31" Style	01-80371A89*	01-80371A49*	01-80371A90* (Ford) 01-80371A91*	01-80371A92*
Quarter-Wave	47-80372A38	—	01-80371A37†	01-80371A51
2.5 dB Gain	47-80372A37	—	01-80371A38†	01-80371A53†
UHF				
31" Style	01-80371A89*	01-80371A49*	01-80371A90* (Ford) 01-80371A91* (Chrysler)	01-80371A51 01-80371A92*
2.5 dB Gain	47-80372A39	01-80371A55*	01-80371A39†	01-80371A61†
Quarter-Wave	01-80372A01†	—	—	—

*FIELD TUNABLE, supplied with mount assembly and mounting hardware

†frequency must be specified when ordering

SPRINGS • COILS • MISCELLANEOUS REPLACEMENT PARTS

SPRINGS AND SPRINGS WITH ADAPTORS



	QUARTER-WAVE	LOW PROFILE	STANDARD	RUGGED	NO GROUND PLANE
Low Band	Stainless Steel 41-82443L01* Stainless Steel 41-82784G01* Cadmium Plated 51-85936*	—	01-80371A01	41-84978F01	—
Mid Band	01-80371A09	—	—	—	—
High Band	Wide Space 01-80371A96	01-80371A09 (Stainless Steel) 01-80371A71 (Rubber)	01-80371A01	41-84978F01	01-80371A01
UHF Band	—	01-80371A17 (Stainless Steel) 01-80371A72 (Rubber)	Available with Conversion Kit See UHF Section	Available with Conversion Kit See UHF Section	01-80371A17 (Stainless Steel) 01-80371A72 (Rubber)

*Springs only

COILS



	LOW BAND	HIGH BAND	UHF	800 MHz
Low Profile	—	138-174 MHz 24-80371A10	350-390 MHz 24-80372A06 406-494 MHz 24-80371A18 494-512 MHz 24-80371A19	01-80371A41*
Standard	25-28 MHz 24-80371A02 33-36 MHz 24-80371A03 36-42 MHz 24-80371A04 42-50 MHz 24-80371A05	138-174 MHz 24-80371A12	—	—
Rugged	25-28 MHz 24-84980F02 30-33 MHz 24-84980F03 33-36 MHz 24-84980F04 36-42 MHz 24-84980F05 42-50 MHz 24-84980F06	144-174 MHz 24-84980F01	—	—
No Ground Plane	—	144-174 MHz 24-80371A25	406-494 MHz 24-80371A18 494-512 MHz 24-80371A19	— —

*supplied as part of the whip

REPLACEMENT MATCHING NETWORKS

	UHF
Rugged	406-430 MHz 01-80719B10 430-450 MHz 01-80719B11 450-470 MHz 01-80701B94 470-494 MHz 01-80719B12 494-512 MHz 01-80719B13

ROOF MOUNT REPLACEMENT PARTS

Part Number	Description
43-83881B01	Standard roof mount locking nut
58-80371A76	No ground plane roof mount locking nut
42-83940B01	O-ring

TRUNK LIP MOUNT REPLACEMENT PARTS

Part Number	Description
01-80371A28	Trunk lip mount including base for quarter-wave, low profile, and standard
01-80371A29	Trunk lip mount including base for rugged
32-80371A77	Rubber pad
32-80371A78	Channel clamp

MAGNETIC MOUNT REPLACEMENT PARTS

Part Number	Description
58-80371A85	Magnetic mount base adaptor for quarter-wave and low profile
58-80371A86	Magnetic mount base adaptor for standard and rugged

COWL MOUNT REPLACEMENT PARTS

Part Number	Description
58-80371A85	Cowl mount base adaptor for low profile
58-80371A86	Cowl mount base adaptor for standard and rugged
14-80371A82	Mount insulator
75-80371A83	Rubber pad
15-80371A81	Swivel cap

DOME MOUNT REPLACEMENT PARTS

Part Number	Description
75-80371A87	Rubber pad

ANTENNA HOLE PLUGS

Part Number	Description
05-803001	Rubber plug—to seal hole left by roof top antennas. 1½" covering diameter for ¾" hole
38-854230	Rubber plug—to seal hole left by low band, quarter-wave side mounted antennas. 3¾" covering diameter for 1⅞" hole
38-83042H73	Rubber plug—to seal hole left by roof top antennas. 1¼" covering for ⅜" hole
38-83042H74	Rubber plug—to seal hole left by roof top antennas. 1½" covering diameter for ⅞" hole

REPLACEMENT KIT FOR ROOF TOP ANTENNAS

Part Number	Description
PDK-114	Mechanical and electrical antenna replacement kit for TAD series antennas. Kit includes insulators, bushings and gaskets
RPX-4169A	Mechanical and electrical antenna replacement kit for RRA series antennas. Kit includes insulators, bushings and gaskets

GUTTER MOUNTED WHIP CLIPS

Part Number	Description
ST-101	Hold-down clip, uninsulated
ST-1080	Hold-down clip, insulated

WHIP LENGTH TESTER

Part Number	Description
ST-599	Whip length tester

ANTENNA HOLE CUTTING TOOL

Part Number	Description
ST-157	Antenna hole cutting tool
ST-158	1⅝" replacement cutter
ST-159	¾" replacement cutter
ST-160	Cutter shank
ST-161	Drill pilot

SWIVEL MOUNT REPLACEMENT PARTS

Part Number	Description
01-82444L01	Upper hemisphere
01-82450L01	Lower hemisphere
43-82449L01	Spacer
03-139664	Allen head screw

WRENCH

Part Number	Description
66-80371A75	Spanner wrench

COUPLERS

Part Number	Description
TDB-6040A	Coupler, 25-50 MHz
TDD-6120A	Coupler, 132-174 MHz
TDE-6110A	Coupler, 400-470 MHz

TUNER UNITS

Part Number	Description
01-80371A94	Tuner unit for low band field tunable disguise antennas
01-80371A47	Tuner unit for high band rear window and field tunable disguise antennas
01-80371A48	Tuner unit for UHF rear window and field tunable disguise antennas

BULK PACKAGING

LOW BAND, ROOF MOUNT, STANDARD

COMPLETE ANTENNAS

PART NUMBER	DESCRIPTION	BULK QUANTITY
RBPRRA-4000A	25-28 MHz With Spring	10/PK
RBPRRA-4001A	30-36 MHz With Spring	10/PK
RBPRRA-4002A	36-42 MHz With Spring	10/PK
RBPRRA-4003A	42-50 MHz With Spring	10/PK
RBPRRA-4004A	25-28 MHz Less Spring	10/PK
RBPRRA-4005A	30-36 MHz Less Spring	10/PK
RBPRRA-4006A	36-42 MHz Less Spring	10/PK
RBPRRA-4007A	42-50 MHz Less Spring	10/PK

CONVERSION KITS

RBPRRA-4032A	25-28 MHz With Spring	10/PK
RBPRRA-4033A	30-36 MHz With Spring	10/PK
RBPRRA-4034A	36-42 MHz With Spring	10/PK
RBPRRA-4035A	42-50 MHz With Spring	10/PK
RBPRRA-4036A	25-28 MHz Less Spring	10/PK
RBPRRA-4037A	30-36 MHz Less Spring	10/PK
RBPRRA-4038A	36-42 MHz Less Spring	10/PK
RBPRRA-4039A	42-50 MHz Less Spring	10/PK

LOW BAND, ROOF MOUNT, RUGGED

COMPLETE ANTENNAS

RBPRRA-4040A	25-28 MHz With Spring	10/PK
RBPRRA-4041A	30-33 MHz With Spring	10/PK
RBPRRA-4042A	33-36 MHz With Spring	10/PK
RBPRRA-4043A	36-42 MHz With Spring	10/PK
RBPRRA-4044A	42-50 MHz With Spring	10/PK

CONVERSION KITS

RBPRRA-4060A	25-28 MHz With Spring	10/PK
RBPRRA-4061A	30-33 MHz With Spring	10/PK
RBPRRA-4062A	33-36 MHz With Spring	10/PK
RBPRRA-4063A	36-42 MHz With Spring	10/PK
RBPRRA-4064A	42-50 MHz With Spring	10/PK

HIGH BAND, ROOF MOUNT, QUARTER-WAVE

COMPLETE ANTENNAS

RBPTAD-6111A	136-144 MHz	25/PK
RBPTAD-6112A	144-152 MHz	25/PK
RBPTAD-6113A	152-162 MHz	25/PK
RBPTAD-6114A	162-174 MHz	25/PK

HIGH BAND, ROOF MOUNT, LOW PROFILE

COMPLETE ANTENNAS

RBPRRA-4448A	138-174 MHz With Rubberized Spring	10/PK
RBPRRA-4400A	138-174 MHz With Spring	10/PK
RBPRRA-4401A	144-174 MHz Less Spring	10/PK

CONVERSION KITS

RBPRRA-4452A	138-174 MHz With Rubberized Spring	10/PK
RBPRRA-4408A	138-174 MHz With Spring	10/PK
RBPRRA-4409A	144-174 MHz Less Spring	10/PK

HIGH BAND, ROOF MOUNT, STANDARD

COMPLETE ANTENNAS

RBPRRA-4424A	138-174 MHz With Spring	10/PK
RBPRRA-4425A	144-174 MHz Less Spring	10/PK

CONVERSION KITS

RBPRRA-4432A	138-174 MHz With Spring	10/PK
RBPRRA-4433A	144-174 MHz Less Spring	10/PK

HIGH BAND, ROOF MOUNT, RUGGED

COMPLETE ANTENNAS

RBPRRA-4410A	144-174 MHz With Spring	10/PK
--------------	-------------------------	-------

CONVERSION KITS

RBPRRA-4414A	144-174 MHz With Spring	10/PK
--------------	-------------------------	-------

UHF, ROOF MOUNT, QUARTER-WAVE

COMPLETE ANTENNAS

PART NUMBER	DESCRIPTION	BULK QUANTITY
RBPTAE-6051A	406-420 MHz	25/PK
RBPTAE-6053A	430-450 MHz	25/PK
RBPTAE-6052A	450-470 MHz	25/PK
RBPTAE-6054A	470-512 MHz	25/PK

UHF, ROOF MOUNT, STANDARD

COMPLETE ANTENNAS

RBPTAE-6071A	406-420 MHz With Spring	10/PK
RBPTAE-6072A	450-470 MHz With Spring	10/PK
RBPTAE-6074A	470-494 MHz With Spring	10/PK
RBPTAE-6075A	494-512 MHz With Spring	10/PK

CONVERSION KITS

RBPTAE-6071A	406-420 MHz With Spring	10/PK
RBPTAE-6072A	450-470 MHz With Spring	10/PK
RBPTAE-6074A	470-494 MHz With Spring	10/PK
RBPTAE-6075A	494-512 MHz With Spring	10/PK

UHF, ROOF MOUNT, LOW PROFILE

COMPLETE ANTENNAS

RBPRRA-4600A	406-420 MHz With Spring	10/PK
RBPRRA-4601A	450-470 MHz With Spring	10/PK
RBPRRA-4602A	470-494 MHz With Spring	10/PK
RBPRRA-4603A	494-512 MHz With Spring	10/PK
RBPRRA-4697A	406-420 MHz With Rubberized Spring	10/PK
RBPRRA-4698A	450-470 MHz With Rubberized Spring	10/PK
RBPRRA-4699A	470-494 MHz With Rubberized Spring	10/PK
RBPRRA-4700A	494-512 MHz With Rubberized Spring	10/PK
RBPRRA-4604A	406-420 MHz Less Spring	10/PK
RBPRRA-4605A	450-470 MHz Less Spring	10/PK
RBPRRA-4606A	470-494 MHz Less Spring	10/PK
RBPRRA-4607A	494-512 MHz Less Spring	10/PK

UHF, ROOF MOUNT, LOW PROFILE, LOW-LOSS CABLE

COMPLETE ANTENNAS

RBPRRA-4640A	406-420 MHz With Spring	10/PK
RBPRRA-4641A	450-470 MHz With Spring	10/PK
RBPRRA-4642A	470-494 MHz With Spring	10/PK
RBPRRA-4643A	494-512 MHz With Spring	10/PK
RBPRRA-4701A	406-420 MHz With Rubberized Spring	10/PK
RBPRRA-4702A	450-470 MHz With Rubberized Spring	10/PK
RBPRRA-4703A	470-494 MHz With Rubberized Spring	10/PK
RBPRRA-4704A	494-512 MHz With Rubberized Spring	10/PK
RBPRRA-4747A	406-420 MHz Less Spring	10/PK
RBPRRA-4748A	450-470 MHz Less Spring	10/PK
RBPRRA-4749A	470-494 MHz Less Spring	10/PK
RBPRRA-4750A	494-512 MHz Less Spring	10/PK

CONVERSION KITS

RBPRRA-4632A	406-420 MHz With Spring	10/PK
RBPRRA-4633A	450-470 MHz With Spring	10/PK
RBPRRA-4634A	470-494 MHz With Spring	10/PK
RBPRRA-4635A	494-512 MHz With Spring	10/PK
RBPRRA-4636A	406-420 MHz Less Spring	10/PK
RBPRRA-4637A	450-470 MHz Less Spring	10/PK
RBPRRA-4638A	470-494 MHz Less Spring	10/PK
RBPRRA-4639A	494-512 MHz Less Spring	10/PK
RBPRRA-4721A	406-420 MHz With Rubberized Spring	10/PK
RBPRRA-4722A	450-470 MHz With Rubberized Spring	10/PK
RBPRRA-4723A	470-494 MHz With Rubberized Spring	10/PK
RBPRRA-4724A	494-512 MHz With Rubberized Spring	10/PK

UHF, ROOF MOUNT, RUGGED**COMPLETE ANTENNAS**

PART NUMBER	DESCRIPTION	BULK QUANTITY
RBPTAE-6061B	406-430 MHz With Spring	10/PK
RBPTAE-6063B	430-450 MHz With Spring	10/PK
RBPTAE-6062B	450-470 MHz With Spring	10/PK
RBPTAE-6094B	470-494 MHz With Spring	10/PK
RBPTAE-6095B	494-512 MHz With Spring	10/PK

CONVERSION KITS

RBPTLE-6151B	406-430 MHz With Spring	10/PK
RBPTLE-6153B	430-450 MHz With Spring	10/PK
RBPTLE-6152B	450-470 MHz With Spring	10/PK
RBPTLE-6154B	470-494 MHz With Spring	10/PK
RBPTLE-6155B	494-512 MHz With Spring	10/PK

800 MHz, ROOF MOUNT, QUARTER-WAVE**COMPLETE ANTENNAS**

RBPTAF-6041A	806-866 MHz UHF Connector	25/PK
RBPRRA-4907A	806-866 MHz "N" Connector	25/PK

800 MHz, ROOF MOUNT, LOW PROFILE**COMPLETE ANTENNAS**

RBPRRA-4900A	806-866 MHz UHF Connector	10/PK
RBPRRA-4909A	806-866 MHz "N" Connector	10/PK

CONVERSION KIT

RBPRRA-4904A	806-866 MHz	10/PK
--------------	-------------	-------

REPLACEMENT PARTS AVAILABLE IN BULK PACKAGES**LOADING COILS**

RBP24-80371A02	25-28 MHz Standard	10/PK
RBP24-80371A03	30-36 MHz Standard	10/PK
RBP24-80371A04	36-42 MHz Standard	10/PK
RBP24-80371A05	42-50 MHz Standard	10/PK
RBP24-80371A10	138-174 MHz Low Profile	10/PK
RBP24-80371A12	138-174 MHz Standard	10/PK
RBP24-80371A18	406-494 MHz Low Profile	10/PK
RBP24-80371A19	494-512 MHz Low Profile	10/PK
RBP24-80371A25	144-174 MHz No Ground Plane Series	10/PK
RBP24-84980F01	144-174 MHz Rugged	10/PK
RBP24-84980F02	25-27 MHz Rugged	10/PK
RBP24-84980F03	30-33 MHz Rugged	10/PK
RBP24-84980F04	33-36 MHz Rugged	10/PK
RBP24-84980F05	36-42 MHz Rugged	10/PK
RBP24-84980F06	42-50 MHz Rugged	10/PK

WHIP ADAPTORS

RBP01-80371A06	Standard, Low & High Band	16/PK
RBP01-80371A11	Low Profile, High Band	16/PK
RBP01-80371A20	Low Profile, UHF	16/PK
RBP01-80371A42	Low Profile, 800 MHz	16/PK

SPRINGS AND SPRINGS WITH ADAPTORS

RBP01-80371A01	Standard, Low & High Band	16/PK
RBP01-80371A09	Low Profile, High Band	16/PK
RBP01-80371A17	Low Profile, UHF	16/PK
RBP41-84978F01	Rugged, Low & High Band	16/PK
RBP01-80371A71	Low Profile, High Band With Rubberized Spring	16/PK
RBP01-80371A72	Low Profile, UHF With Rubberized Spring	16/PK

WHIPS

PART NUMBER	DESCRIPTION	BULK QUANTITY
RBP47-84977F01	Whips Rugged, Low and High Band	60/PK
RBP47-83046H01	Whips, Standard and Low Profile, Low and High Band	60/PK
RBP01-83938B01	136-144 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B02	144-152 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B03	152-162 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B04	162-174 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B05	406-420 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B07	430-450 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B06	450-470 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B08	470-512 MHz Whip, Quarter-Wave	60/PK
RBP01-83938B11	806-866 MHz Whip, Quarter-Wave	60/PK

WHIPS AND PHASING COILS, LOW PROFILE

RBP01-80371A13	406-420 MHz With Spring	10/PK
RBP01-80371A67	406-420 MHz Less Spring	10/PK
RBP01-80371A14	450-470 MHz With Spring	10/PK
RBP01-80371A68	450-470 MHz Less Spring	10/PK
RBP01-80371A15	470-494 MHz With Spring	10/PK
RBP01-80371A69	470-494 MHz Less Spring	10/PK
RBP01-80371A16	494-512 MHz With Spring	10/PK
RBP01-80371A70	494-512 MHz Less Spring	10/PK
RBP01-80371A41	806-866 MHz Less Spring	10/PK

MOUNTS

RBP01-80371A07	Cowl Mount With Cable	16/PK
RBP01-80371A08	Magnetic Mount With Cable	16/PK
RBP01-80371A27	Heavy Duty Magnetic Mount & Cable	16/PK
RBP01-80371A28	Trunk Lip Mount With Cable	16/PK
RBP01-80371A29	Trunk Lip Mount With Low-Loss Cable	16/PK
RBP01-80371A24	Roof No Ground Plane Mount	16/PK
RBP01-80786B28	Roof Mount With Low-Loss Cable	16/PK
RBP01-80703B46	Roof Mount With Cable	16/PK

CONNECTORS/REDUCERS

RBP28-42310	Connector	100/PK
RBP28-80324A75	Connector	100/PK
RBP28-80324A76	Connector	100/PK
RBP58-854020	Reducer	100/PK
RBP58-848363	Reducer	25/PK
RBP28-82021G01	PL259 Plug	100/PK
RBP28-80325A29	PL259 Plug	100/PK

ANTENNA HOLE PLUG

RBP38-83042H73	Antenna Hole Plug, 1/4"	100/PK
RBP5-803001	Antenna Hole Plug, 1/2"	100/PK
RBP38-83042H74	Antenna Hole Plug, 1/2"	100/PK

MISCELLANEOUS

RBP58-83882B01	Base Connector	10/PK
RBP04-80371A26	6" Disc For No Ground Plane	16/PK
RBP01-80371A40	Base, Quarter-Wave Mid Band, Quarter-Wave Wide Space, High Band, 800 MHz Low Profile	16/PK
RBP01-80788B80	Installation Hardware	10/PK

Note: Motorola conversion kits allow replacement of antenna whip and coil while leaving the original cable and mount intact.

ALPHABETICAL INDEX

	PAGE
A	
Adaptors.....	27
Antenna Hole Plugs.....	31
B	
Bands	
High.....	6-11
Low.....	2-4
Mid.....	5
UHF.....	12-17
800 MHz.....	18-19
Base Adaptors.....	27
Bulk Packaging.....	31-32
C	
Cable.....	26
Clips, Whip.....	31
Coaxial Antenna.....	23
Coils.....	30
Connectors.....	26
Conversion Kits	
High Band, Low Profile.....	9
High Band, Quarter-Wave.....	6
High Band, Rugged.....	10
High Band, Standard.....	7
Low Band, Rugged.....	4
Low Band, Standard.....	3
Mid Band, Quarter-Wave.....	5
UHF, Low Profile.....	15
UHF, Quarter-Wave.....	12
UHF, Rugged.....	16
UHF, Standard.....	13
800 MHz, Low Profile.....	19
800 MHz, Quarter-Wave.....	19
Couplers.....	31
Cowl Mount	
High Band, Low Profile.....	9
High Band, Rugged.....	10
High Band, Standard.....	7
Low Band, Rugged.....	4
Low Band, Standard.....	3
UHF, Low Profile.....	15
D	
Disguise Style.....	20-21
E	
800 MHz	
Low Profile.....	18
Dome.....	18
H	
Heavy Duty	
High Band.....	11
UHF.....	17
High Band	
Coaxial.....	20-21
Disguise.....	20-21
Heavy Duty and Dome.....	11
Low Profile.....	8-9
Quarter-Wave.....	6
Rugged.....	10
Special Purpose.....	22-25
Standard.....	7
L	
Low Band	
Disguise.....	20-21
Quarter-Wave.....	2
Rugged.....	3-4
Special Purpose.....	22-25
Standard.....	3
Low Profile Style	
High Band.....	8-9
UHF.....	14-15
800 MHz.....	18

	PAGE
M	
Magnetic Mount	
High Band, Low Profile.....	9
High Band, Quarter-Wave.....	6
High Band, Rugged.....	10
High Band, Standard.....	7
Low Band, Rugged.....	4
Low Band, Standard.....	3
Mid-Band, Quarter-Wave.....	5
UHF, Low Profile.....	15
UHF, Quarter-Wave.....	12
UHF, Rugged.....	16-17
UHF, Standard.....	13
Matching Networks.....	31
Mounts	
Coaxial.....	23
Cowl.....	3,4,7,9,15
Dome.....	11,18
Industrial.....	25
Gutter.....	23
Magnetic.....	3,4,5,6,7,9,12,13,15,16,17
Motorcycle.....	24-25
No Ground Plane.....	23
Quarter-Wave.....	25
Railroad.....	23
Rear Window.....	23
Roof.....	3,4,5,6,7,8,12,13,14,16,17,18
Swivel.....	2
Trunk Lip.....	3,4,5,6,7,8,12,13,14,16,17
Q	
Quarter-Wave Style	
High Band.....	6
Low Band.....	2
Mid Band.....	5
UHF.....	12
800 MHz.....	18
R	
Replacement Parts.....	26-31
Roof Mount	
High Band, Heavy Duty.....	11
High Band, Low Profile.....	8
High Band, Quarter-Wave.....	6
High Band, Rugged.....	10
High Band, Standard.....	7
Low Band, Rugged.....	4
Low Band, Standard.....	3
Mid-Band, Quarter-Wave.....	5
UHF, Heavy Duty.....	16
UHF, Low Profile.....	14
UHF, Quarter-Wave.....	12
UHF, Rugged.....	16-17
UHF, Standard.....	13
800 MHz, Low Profile.....	18
800 MHz, Quarter-Wave.....	18
Rugged Style	
Low Band.....	3,4
High Band.....	10
UHF.....	16
S	
Special Purpose.....	22-25
Springs.....	30
Standard Style	
Low Band.....	3
High Band.....	7
UHF.....	13
Swivel Mount	
Low Band.....	2

	PAGE
T	
Tools.....	31
Tuner Units.....	31
Trunk Lip Mount	
High Band, Low Profile.....	8-9
High Band, Quarter-Wave.....	6
High Band, Rugged.....	10
High Band, Standard.....	7
Low Band, Rugged.....	4
Low Band, Standard.....	3
Mid-Band, Quarter-Wave.....	5
UHF, Low Profile.....	14
UHF, Quarter-Wave.....	12
UHF, Rugged.....	16,17
UHF, Standard.....	13
U	
UHF	
Heavy Duty.....	17
Low Profile.....	14-15
Quarter-Wave.....	12,18
Rugged.....	16-17
Special Purpose.....	22-25
Standard.....	13
W	
Widespace.....	6
Whips.....	28-29
Wrenches.....	31

INDEX BY NUMBERS

PART NUMBER DESCRIPTION

LOW BAND ANTENNAS

NAB-6121A	Motorcycle, Low Band.....	25
NAB-6122A	Motorcycle, Low Band.....	25
NAB-6123A	Motorcycle, Low Band.....	25
NAB-6124A	Motorcycle, Low Band.....	25
NAB-6141A	Low Power Industrial, Low Band.....	25
NAB-6142A	Low Power Industrial, Low Band.....	25
NAB-6143A	Low Power Industrial, Low Band.....	25
NAB-6144A	Low Power Industrial, Low Band.....	25
NAB-6145A	Low Power Industrial, Low Band.....	25
NAB-6202A	Medium Power Industrial, Low Band.....	25
NAB-6203A	Medium Power Industrial, Low Band.....	25
NAB-6204A	Medium Power Industrial, Low Band.....	25
NAB-6205A	Medium Power Industrial, Low Band.....	25
RRA-4000A	Roof, Low Band.....	3
RRA-4001A	Roof, Low Band.....	3
RRA-4002A	Roof, Low Band.....	3
RRA-4003A	Roof, Low Band.....	3
RRA-4004A	Roof, Low Band.....	3
RRA-4005A	Roof, Low Band.....	3
RRA-4006A	Roof, Low Band.....	3
RRA-4007A	Roof, Low Band.....	3
RRA-4008A	Trunk Lip, Low Band.....	3
RRA-4009A	Trunk Lip, Low Band.....	3
RRA-4010A	Trunk Lip, Low Band.....	3
RRA-4011A	Trunk Lip, Low Band.....	3
RRA-4012A	Trunk Lip, Low Band.....	3
RRA-4013A	Trunk Lip, Low Band.....	3
RRA-4014A	Trunk Lip, Low Band.....	3
RRA-4015A	Trunk Lip, Low Band.....	3
RRA-4016A	Cowl, Low Band.....	3
RRA-4017A	Cowl, Low Band.....	3
RRA-4018A	Cowl, Low Band.....	3
RRA-4019A	Cowl, Low Band.....	3

PART NUMBER	DESCRIPTION	PAGE	PART NUMBER	DESCRIPTION	PAGE	PART NUMBER	DESCRIPTION	PAGE
RRA-4020A	Cowl, Low Band.	3	TAB-1011C	Swivel Mount Base Loaded, Low Band.	2	RRA-4438A	Magnetic, High Band, Quarter-Wave. 6	
RRA-4021A	Cowl, Low Band.	3	TAB-1012C	Swivel Mount Base Loaded, Low Band.	2	RRA-4439A	Magnetic, High Band, Quarter-Wave. 6	
RRA-4022A	Cowl, Low Band.	3	TAB-1021C	Swivel Mount Base Loaded, Low Band.	2	RRA-4440A	Magnetic, High Band, Quarter-Wave. 6	
RRA-4023A	Cowl, Low Band.	3	TAB-1022C	Swivel Mount Base Loaded, Low Band.	2	RRA-4441A	Magnetic, High Band, Quarter-Wave. 6	
RRA-4024A	Magnetic, Low Band.	3	TAB-1031C	Swivel Mount Base Loaded, Low Band.	2	RRA-4442A	Universal/GM Disguise, High Band. 21	
RRA-4025A	Magnetic, Low Band.	3	TAB-1032C	Swivel Mount Base Loaded, Low Band.	2	RRA-4444A	AMC Disguise, High Band.	21
RRA-4026A	Magnetic, Low Band.	3	TDB-6050A	Universal/GM Disguise, Low Band. 21		RRA-4445A	AMC Disguise, High Band.	21
RRA-4027A	Magnetic, Low Band.	3				RRA-4446A	Rear Deck, High Band.	23
RRA-4028A	Magnetic, Low Band.	3				RRA-4448A	Roof, High Band.	9
RRA-4029A	Magnetic, Low Band.	3				RRA-4449A	Trunk Lip, High Band.	21
RRA-4030A	Magnetic, Low Band.	3				RRA-4450A	Magnetic, High Band.	9
RRA-4031A	Magnetic, Low Band.	3				RRA-4451A	Cowl, High Band.	9
RRA-4032A	Conv. Kit for Motorola, Low Band. . 3					RRA-4452A	Conv. Kit for Motorola, High Band. 9	
RRA-4033A	Conv. Kit for Motorola, Low Band. . 3					RRA-4453A	Conv. Kit for GE/Decibel, High Band. 9	
RRA-4034A	Conv. Kit for Motorola, Low Band. . 3					RRA-4454A	Conv. Kit for RCA, High Band.	9
RRA-4035A	Conv. Kit for Motorola, Low Band. . 3					RRA-4455A	Dome, High Band.	11
RRA-4036A	Conv. Kit for Motorola, Low Band. . 3					RRA-4456A	Dome, High Band.	11
RRA-4037A	Conv. Kit for Motorola, Low Band. . 3					RRA-4457A	Universal/GM Disguise, High Band. 21	
RRA-4038A	Conv. Kit for Motorola, Low Band. . 3					RRA-4458A	Miniature Universal/GM Disguise, High Band.	21
RRA-4039A	Conv. Kit for Motorola, Low Band. . 3					RRA-4459A	Ford Disguise, High Band.	21
RRA-4040A	Roof, Low Band.	4				RRA-4460A	Chrysler Disguise, High Band.	21
RRA-4041A	Roof, Low Band.	4				RRA-4461A	AMC Disguise, High Band.	21
RRA-4042A	Roof, Low Band.	4						
RRA-4043A	Roof, Low Band.	4						
RRA-4044A	Roof, Low Band.	4						
RRA-4045A	Trunk Lip, Low Band.	4						
RRA-4046A	Trunk Lip, Low Band.	4						
RRA-4047A	Trunk Lip, Low Band.	4						
RRA-4048A	Trunk Lip, Low Band.	4						
RRA-4049A	Trunk Lip, Low Band.	4						
RRA-4050A	Cowl, Low Band.	4						
RRA-4051A	Cowl, Low Band.	4						
RRA-4052A	Cowl, Low Band.	4						
RRA-4053A	Cowl, Low Band.	4						
RRA-4054A	Cowl, Low Band.	4						
RRA-4055A	Magnetic, Low Band.	4						
RRA-4056A	Magnetic, Low Band.	4						
RRA-4057A	Magnetic, Low Band.	4						
RRA-4058A	Magnetic, Low Band.	4						
RRA-4059A	Magnetic, Low Band.	4						
RRA-4060A	Conv. Kit, Low Band.	4						
RRA-4061A	Conv. Kit, Low Band.	4						
RRA-4062A	Conv. Kit, Low Band.	4						
RRA-4063A	Conv. Kit, Low Band.	4						
RRA-4064A	Conv. Kit, Low Band.	4						
RRA-4065A	Conv. Kit for RCA, Low Band.	3						
RRA-4066A	Conv. Kit for RCA, Low Band.	3						
RRA-4067A	Conv. Kit for RCA, Low Band.	3						
RRA-4068A	Conv. Kit for RCA, Low Band.	3						
RRA-4069A	Ford Disguise, Low Band.	21						
RRA-4070A	Ford Disguise, Low Band.	21						
RRA-4071A	Chrysler Disguise, Low Band.	21						
RRA-4072A	Chrysler Disguise, Low Band.	21						
RRA-4073A	Miniature Universal/GM Disguise, Low Band.	21						
RRA-4075A	AMC Disguise, Low Band.	21						
RRA-4076A	AMC Disguise, Low Band.	21						
RRA-4079A	Universal/GM Disguise, Low Band. 21							
RRA-4080A	Miniature Universal/GM Disguise, Low Band.	21						
RRA-4081A	Ford Disguise, Low Band.	21						
RRX-4000A	Motorcycle, Low Band.	25						
RRX-4001A	Motorcycle, Low Band.	25						
RRX-4002A	Motorcycle, Low Band.	25						
RRX-4003A	Motorcycle, Low Band.	25						
RRX-4004A	Motorcycle, Low Band.	25						
TAB-1001C	Swivel Mount Base Loaded, Low Band.	2						
TAB-1002C	Swivel Mount Base Loaded, Low Band.	2						

PART NUMBER	DESCRIPTION	PAGE	PART NUMBER	DESCRIPTION	PAGE	PART NUMBER	DESCRIPTION	PAGE
RRA-4438A	Magnetic, High Band, Quarter-Wave. 6		RRA-4439A	Magnetic, High Band, Quarter-Wave. 6		RRA-4440A	Magnetic, High Band, Quarter-Wave. 6	
RRA-4441A	Magnetic, High Band, Quarter-Wave. 6		RRA-4442A	Universal/GM Disguise, High Band. 21		RRA-4444A	AMC Disguise, High Band.	21
RRA-4445A	AMC Disguise, High Band.	21	RRA-4446A	Rear Deck, High Band.	23	RRA-4448A	Roof, High Band.	9
RRA-4449A	Trunk Lip, High Band.	21	RRA-4450A	Magnetic, High Band.	9	RRA-4451A	Cowl, High Band.	9
RRA-4452A	Conv. Kit for Motorola, High Band. 9		RRA-4453A	Conv. Kit for GE/Decibel, High Band. 9		RRA-4454A	Conv. Kit for RCA, High Band.	9
RRA-4455A	Dome, High Band.	11	RRA-4456A	Dome, High Band.	11	RRA-4457A	Universal/GM Disguise, High Band. 21	
RRA-4458A	Miniature Universal/GM Disguise, High Band.	21	RRA-4459A	Ford Disguise, High Band.	21	RRA-4460A	Chrysler Disguise, High Band.	21
RRA-4461A	AMC Disguise, High Band.	21						
TAD-6010A	Railroad, High Band.	23	TAD-6020A	Railroad, High Band.	23	TAD-6041A	Coaxial, High Band.	23
TAD-6042A	Coaxial, High Band.	23	TAD-6043A	Coaxial, High Band.	23	TAD-6050A	Coaxial, High Band.	23
TAD-6111A	Roof, High Band, Quarter-Wave. . . 6		TAD-6112A	Roof, High Band, Quarter-Wave. . . 6		TAD-6113A	Roof, High Band, Quarter-Wave. . . 6	
TAD-6114A	Roof, High Band, Quarter-Wave. . . 6		TAD-6115A	Roof, High Band, Quarter-Wave. . . 6		TAD-6211A	Motorcycle, High Band.	25
TAD-6212A	Motorcycle, High Band.	25	TAD-6213A	Motorcycle, High Band.	25			
TAD-6280A	Roof, High Band, Quarter-Wave Wide Space.	6	TAD-6290A	Roof, High Band, Quarter-Wave Wide Space.	6	TDD-6130A	Universal/GM Disguise, High Band. 21	
TDD-6140A	Universal/GM Disguise, High Band. 21							
01-83938B01	Conv. Kit for Motorola, High Band, Quarter-Wave.	6	01-83938B02	Conv. Kit for Motorola, High Band, Quarter-Wave.	6	01-83938B03	Conv. Kit for Motorola, High Band, Quarter-Wave.	6
01-83938B04	Conv. Kit for Motorola, High Band, Quarter-Wave.	6	01-83938B09	Conv. Kit for Motorola, High Band, Quarter-Wave.	6			

UHF ANTENNAS		
NAE-6060A	Low Power Industrial, UHF.	25
NDD-6000A	Gutter UHF.	23
RRA-4600A	Roof, UHF.	14
RRA-4601A	Roof, UHF.	14
RRA-4602A	Roof, UHF.	14
RRA-4603A	Roof, UHF.	14
RRA-4604A	Roof, UHF.	14
RRA-4605A	Roof, UHF.	14
RRA-4606A	Roof, UHF.	14
RRA-4607A	Roof, UHF.	14
RRA-4608A	Trunk Lip, UHF.	14
RRA-4609A	Trunk Lip, UHF.	14

INDEX BY NUMBERS

PART NUMBER	DESCRIPTION	PAGE	PART NUMBER	DESCRIPTION	PAGE	PART NUMBER	DESCRIPTION	PAGE
UHF ANTENNAS								
RRA-4610A	Trunk Lip, UHF	14	RRA-4680A	Magnetic, UHF	13	RRA-4747A	Roof, UHF	14
RRA-4611A	Trunk Lip, UHF	14	RRA-4681A	Magnetic, UHF	16	RRA-4748A	Roof, UHF	14
RRA-4612A	Trunk Lip, UHF	14	RRA-4682A	Trunk Lip, UHF	16	RRA-4749A	Roof, UHF	14
RRA-4613A	Trunk Lip, UHF	14	RRA-4683A	Trunk Lip, UHF	16	RRA-4750A	Roof, UHF	14
RRA-4614A	Trunk Lip, UHF	14	RRA-4684A	Trunk Lip, UHF	16	RRA-4751A	Trunk Lip, UHF	14
RRA-4615A	Trunk Lip, UHF	14	RRA-4685A	Trunk Lip, UHF	16	RRA-4752A	Trunk Lip, UHF	14
RRA-4616A	Cowl, UHF	15	RRA-4686A	Magnetic, UHF	16	RRA-4753A	Trunk Lip, UHF	14
RRA-4617A	Cowl, UHF	15	RRA-4687A	Magnetic, UHF	16	RRA-4754A	Trunk Lip, UHF	14
RRA-4618A	Cowl, UHF	15	RRA-4688A	Magnetic, UHF	16			
RRA-4619A	Cowl, UHF	15	RRA-4689A	Magnetic, UHF	16	TAE-6051A	Roof, UHF, Quarter-Wave	12
RRA-4620A	Cowl, UHF	15	RRA-4690A	Magnetic, UHF	16	TAE-6052A	Roof, UHF, Quarter-Wave	12
RRA-4621A	Cowl, UHF	15	RRA-4691A	Miniature Universal/GM	21	TAE-6053A	Roof, UHF, Quarter-Wave	12
RRA-4622A	Cowl, UHF	15	RRA-4692A	Disguise, UHF	21	TAE-6054A	Roof, UHF, Quarter-Wave	12
RRA-4623A	Cowl, UHF	15		Disguise, UHF	21	TAE-6061B	Roof, UHF, Rugged	16
RRA-4624A	Magnetic, UHF	15	RRA-4693A	AMC Disguise, UHF	21	TAE-6062B	Roof, UHF, Rugged	16
RRA-4625A	Magnetic, UHF	15	RRA-4694A	AMC Disguise, UHF	21	TAE-6063B	Roof, UHF, Rugged	16
RRA-4626A	Magnetic, UHF	15	RRA-4695A	Rear Deck, UHF	22	TAE-6071A	Roof, UHF	13
RRA-4627A	Magnetic, UHF	15	RRA-4697A	Roof, UHF	14	TAE-6072A	Roof, UHF	13
RRA-4628A	Magnetic, UHF	15	RRA-4698A	Roof, UHF	14	TAE-6074A	Roof, UHF	13
RRA-4629A	Magnetic, UHF	15	RRA-4699A	Roof, UHF	14	TAE-6075A	Roof, UHF	13
RRA-4630A	Magnetic, UHF	15	RRA-4700A	Roof, UHF	14	TAE-6082A	Motorcycle, UHF	24
RRA-4631A	Magnetic, UHF	15	RRA-4701A	Roof, UHF	14	TAE-6094A	Roof, UHF, Rugged	16
RRA-4632A	Conv. Kit for Motorola, UHF	15	RRA-4702A	Roof, UHF	14	TAE-6095A	Roof, UHF, Rugged	16
RRA-4633A	Conv. Kit for Motorola, UHF	15	RRA-4703A	Roof, UHF	14			
RRA-4634A	Conv. Kit for Motorola, UHF	15	RRA-4704A	Roof, UHF	14	TAE-6122A	Motorcycle, High Band	25
RRA-4635A	Conv. Kit for Motorola, UHF	15	RRA-4705A	Trunk Lip, UHF	14	TDE-6100A	Heavy Duty, UHF	17
RRA-4636A	Conv. Kit for Motorola, UHF	15	RRA-4706A	Trunk Lip, UHF	14	TDE-6120A	Universal/GM Disguise, UHF	21
RRA-4637A	Conv. Kit for Motorola, UHF	15	RRA-4707A	Trunk Lip, UHF	14		2.5 dB Gain	21
RRA-4638A	Conv. Kit for Motorola, UHF	15	RRA-4708A	Trunk Lip, UHF	14	TLE-6151B	Conv. Kit for Motorola, UHF	16
RRA-4639A	Conv. Kit for Motorola, UHF	15	RRA-4709A	Trunk Lip, UHF	14	TLE-6152B	Conv. Kit for Motorola, UHF	16
RRA-4640A	Roof, UHF	14	RRA-4710A	Trunk Lip, UHF	14	TLE-6153B	Conv. Kit for Motorola, UHF	16
RRA-4641A	Roof, UHF	14	RRA-4711A	Trunk Lip, UHF	14	TLE-6154B	Conv. Kit for Motorola, UHF	16
RRA-4642A	Roof, UHF	14	RRA-4712A	Trunk Lip, UHF	14	TLE-6155B	Conv. Kit for Motorola, UHF	16
RRA-4643A	Roof, UHF	14	RRA-4713A	Magnetic, UHF	15	01-83938B05	Conv. Kit for Motorola, UHF	12
RRA-4644A	Trunk Lip, UHF	14	RRA-4714A	Magnetic, UHF	15		Quarter-Wave	12
RRA-4645A	Trunk Lip, UHF	14	RRA-4715A	Magnetic, UHF	15	01-83938B06	Conv. Kit for Motorola, UHF	12
RRA-4646A	Trunk Lip, UHF	14	RRA-4716A	Magnetic, UHF	15		Quarter-Wave	12
RRA-4647A	Trunk Lip, UHF	14	RRA-4717A	Cowl, UHF	15	01-83938B07	Conv. Kit for Motorola, UHF	12
RRA-4648A	Conv. Kit for GE/Decibel, UHF	15	RRA-4718A	Cowl, UHF	15		Quarter-Wave	12
RRA-4649A	Conv. Kit for GE/Decibel, UHF	15	RRA-4719A	Cowl, UHF	15	01-83938B08	Conv. Kit for Motorola, UHF	12
RRA-4650A	Conv. Kit for GE/Decibel, UHF	15	RRA-4720A	Cowl, UHF	15		Quarter-Wave	12
RRA-4651A	Conv. Kit for GE/Decibel, UHF	15	RRA-4721A	Conv. Kit for Motorola, UHF	15			
RRA-4652A	Conv. Kit for RCA, UHF	15	RRA-4722A	Conv. Kit for Motorola, UHF	15	47-82005H03	Conv. Kit for Motorola, UHF	13
RRA-4653A	Conv. Kit for RCA, UHF	15	RRA-4723A	Conv. Kit for Motorola, UHF	15	47-82005H04	Conv. Kit for Motorola, UHF	13
RRA-4654A	Conv. Kit for RCA, UHF	15	RRA-4724A	Conv. Kit for Motorola, UHF	15	47-82005H05	Conv. Kit for Motorola, UHF	13
RRA-4655A	Conv. Kit for RCA, UHF	15	RRA-4725A	Conv. Kit for GE/Decibel, UHF	15	47-82005H06	Conv. Kit for Motorola, UHF	13
RRA-4656A	Dome, UHF	17	RRA-4726A	Conv. Kit for GE/Decibel, UHF	15			
RRA-4657A	Dome, UHF	17	RRA-4727A	Conv. Kit for GE/Decibel, UHF	15	800 MHz		
RRA-4658A	Dome, UHF	17	RRA-4728A	Conv. Kit for GE/Decibel, UHF	15	RRA-4900A	Roof, 800	18
RRA-4659A	No ground plane, UHF	23	RRA-4729A	Conv. Kit for RCA, UHF	15	RRA-4904A	Conv. Kit, 800	19
RRA-4660A	No ground plane, UHF	23	RRA-4730A	Conv. Kit for RCA, UHF	15	RRA-4905A	Dome, 800	18
RRA-4661A	No ground plane, UHF	23	RRA-4731A	Conv. Kit for RCA, UHF	15	RRA-4906A	Coaxial, 800	23
RRA-4662A	No ground plane, UHF	23	RRA-4732A	Conv. Kit for RCA, UHF	15			
RRA-4663A	Chrysler Disguise, UHF	21	RRA-4733A	Roof, International	17	RRA-4907A	Roof, 800, Quarter-Wave	18
RRA-4664A	Ford Disguise, UHF	21	RRA-4734A	Trunk Lip, International	17	RRA-4908A	Dome, 800	18
RRA-4665A	Trunk Lip, UHF Quarter-Wave	12	RRA-4735A	Magnetic, International	17	RRA-4909A	Roof, 800, Low Profile	18
RRA-4666A	Trunk Lip, UHF Quarter-Wave	12	RRA-4736A	Conv. Kit for Motorola,	17	TAF-6041A	Roof, 800, Quarter-Wave	18
RRA-4667A	Trunk Lip, UHF Quarter-Wave	12		International	17	01-83938B11	Conv. Kit for Motorola, 800,	18
RRA-4668A	Trunk Lip, UHF Quarter-Wave	12	RRA-4737A	Conv. Kit for RCA, International	17		Quarter-Wave	18
RRA-4669A	Magnetic, UHF Quarter-Wave	12	RRA-4738A	Dome, UHF	17			
RRA-4670A	Magnetic, UHF Quarter-Wave	12	RRA-4739A	Dome, UHF	17			
RRA-4671A	Magnetic, UHF Quarter-Wave	12	RRA-4740A	Dome, UHF	17			
RRA-4672A	Magnetic, UHF Quarter-Wave	12	RRA-4741A	Universal/GM Disguise, UHF	21			
RRA-4673A	Trunk Lip, UHF	13	RRA-4742A	Miniature Universal/GM	21			
RRA-4674A	Trunk Lip, UHF	13		Disguise, UHF	21			
RRA-4675A	Trunk Lip, UHF	13	RRA-4743A	Ford, Disguise, UHF	21			
RRA-4676A	Trunk Lip, UHF	13	RRA-4744A	Chrysler, Disguise, UHF	21			
RRA-4677A	Magnetic, UHF	13	RRA-4745A	AMC, Disguise, UHF	21			
RRA-4678A	Magnetic, UHF	13	RRA-4746A	Universal/GM Disguise, UHF	21			
RRA-4679A	Magnetic, UHF	13		Quarter-Wave	21			

FIELD TUNABLE BASE STATION ANTENNAS

DESCRIPTION

This antenna series features value, performance and durability. Low cost and portability mean these antennas can be stocked close to your tower virtually eliminating down time. For convenience, a tuning chart is supplied with each antenna.

The shunt-fed transformer in the low and mid band

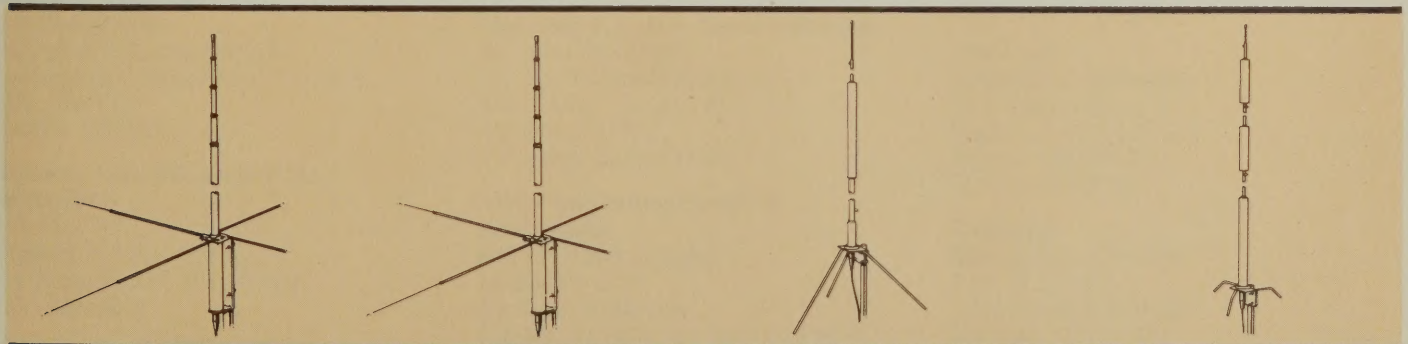
antennas provides a 50 ohm feed point for the radiator, as well as a direct ground for maximum protection of base station equipment.

The high and UHF antennas are a $\frac{5}{8}$ -wave over $\frac{1}{4}$ -wave configuration providing gain of 3dB for high band and 6dB for UHF.

SPECIFICATIONS

	LOW BAND	MID BAND	HIGH BAND	UHF BAND
ELECTRICAL				
Gain:	Unity	Unity	3dB	3dB
Frequency:	30-54 MHz	66-88 MHz	144-174 MHz	445-470 MHz
Band Width:	3% of oper. frequency	3% of oper. frequency	4 MHz	10 MHz
VSWR:	1.5:1	1.5:1	1.5:1	1.5:1
Vertical Beamwidth:	75°	75°	33°	17.5°
Maximum Power:	500 watts	500 watts	250 watts	250 watts
Nominal Impedance:	50 ohms	50 ohms	50 ohms	50 ohms
Matching/Phasing Coils:	DC grounded, PVC jacketed	DC grounded, PVC jacketed	Air-wound copper clad steel wire enclosed in PVC jackets	Air-wound copper clad steel wire enclosed in PVC jackets
MECHANICAL				
Radiator Element:	Rigid seamless telescoping alum. tubing; stainless steel clamps for adjustment	Rigid seamless telescoping alum. tubing; stainless steel clamps for adjustment	Rigid seamless telescoping alum. tubing; stainless steel clamps for adjustment	Rigid seamless telescoping alum. tubing; stainless steel clamps for adjustment
Rated Wind Velocity:	70 mi/hr (1.65 safety factor)	70 mi/hr (1.65 safety factor)	70 mi/hr (1.65 safety factor)	70 mi/hr (1.65 safety factor)
Length:	230" at 30 MHz	130" at 66 MHz	102" at 144 MHz	78" at 445 MHz
Weight:	8 lbs.	8 lbs.	8 lbs.	8 lbs.
Termination:	All models have a UHF female (SO 239) and accept PL 259			
Mounting:	All models have bracket and U-bolts supplied for mounting an existing support pipe up to 1½" O.D. or for attachment to wooden surface with lag bolts (not supplied)			
Shipping Information:	All are parcel post or UPS shippable.			
Shipping Length:	54.5"	54.5"	38.25"	32.25"

MODEL INFORMATION



LOW BAND	MID BAND	HIGH BAND	UHF
30-40 MHz RRA-4077A 40-54 MHz RRA-4078A	66-77 MHz RRA-4305A 77-88 MHz RRA-4306A	144-174 MHz RRA-4447A	445-470 MHz RRA-4696A

ORDERING INFORMATION

UNITED STATES

Western Area Parts

1170 Chess Drive
Foster City, San Mateo,
California 94404
Phone: 415-349-8621
TWX: 910-375-3877

Pacific Southwestern Area Parts

P.O. Box 85036
San Diego, California 92138
Street Address:
9980 Carroll Canyon Road
San Diego, California 92131
Phone: 714-578-8030
TWX: 910-335-1516

Gulf States Area Parts

1140 Cypress Station
P.O. Box 73115
Houston, Texas 77090
Phone: 713-537-3636
TWX: 910-881-6392

Southwestern Area Parts

P.O. Box 34290
3320 Belt Line Road
Dallas, Texas 75234
Phone: 214-620-8511
TWX: 910-860-5505

Midwest Area Parts

1313 E. Algonquin Rd.
Schaumburg, Illinois 60196
Phone: 312-576-7430
TWX: 910-693-0869

Southeastern Area Parts

P.O. Box 368
Decatur, Georgia 30031
Street Address:
5096 Panola Industrial Blvd.
Decatur, Georgia 30032
Phone: 404-987-2232
TWX: 810-766-0876

Rocky Mountain Area Parts

20 Inverness Place East
Englewood, Colorado 80112
Phone: 303-741-2323
TWX: 910-935-0785

East Central Area Parts

12955 Snow Road
Parma, Ohio 44130
Phone: 216-433-1560
TWX: 810-421-8845

Eastern Area Parts

85 Harristown Road
Glen Rock, New Jersey 07452
Phone: 201-444-9662
TWX: 710-988-5602

Mid-Atlantic Area Parts

7230 Parkway Drive
Hanover, Maryland 21076
Phone: 301-796-8763
TWX: 710-862-1941

National Accounts

Parts Order Administration
Telephone, Airline, and
Railroad Sales
Phone: 312-576-6512
1313 E. Algonquin Road
Schaumburg, Illinois 60196
TWX: 910-693-0869

INTERNATIONAL

OVERSEAS

Motorola Communications Japan

5-2-32 Minami-Azabu
Minato-Ku
Tokyo, Japan 106
MAMS: FECON

Motorola GMBH

6204 Taunusstein 5 (Neuhof)
Heinrich-Hertz-Strasse 1
West Germany
TTY: 0418 2761 TAU
MAMS: GETAU

Motorola Electronics Ltd.

Armstrong Road
Daneshill Industrial Estate
Basingstoke, Hampshire, England
TTY: 858 823
MAMS: UKBAS

Motorola Comunicaciones de Puerto Rico

P.O. Box "O"
Caparra Heights Station
San Juan, Puerto Rico 00922
TTY: 345-0236

Motorola South Africa (Pty) Ltd.

P.O. Box 39586, Bramley
2018 Transvaal
Republic of South Africa
CABLE: MOTOROLA JOHANNESBURG
TTY: BRAMLEY 43-0457
MAMS: FESAF

Motorola Israel Ltd.

16 Kremenetski Street
P.O. Box 25016
Tel Aviv, Israel
MAMS: ISTAV
CABLE: BASTEL, TEL-AVIV
TTY: MOTIL IL 922-33569

Motorola de Mexico, S.A.

Alvaro Obregon 168
Mexico 7, D.F., Mexico
CABLE: MEISA
TTY: 383-177-2711

Motorola S.A. Div. Communication

14 Allee du Cantal
Z.I. Petite Montagne Sud
91020 Evry, Cedex, France
MAMS: FAFEV
TTY: 600 434 MOTEV

Motorola Communications

Australasia
666 Wellington Road
Mulgrave 3170
Victoria, Australia
CABLE: MOTCOM, MELBOURNE
TTY: AA325-160
MAMS: FEMEL

U.S. BASED

Motorola

Latin American Sales

8000 Sunrise Blvd.
Ft. Lauderdale, FL 33322
Phone: 305-425-6440
TTY: 510-955-9719
CABLE: MOTLLATIN

Motorola

International Division

85 Harristown Road
Glen Rock, NJ 07452
Phone: 201-447-4000
TTY: 710-988-5602

Motorola

International Division

1170 Chess Drive
Foster City, CA 94404
Phone: 415-349-3111
TTY: 910-375-3877

Motorola

International Division

P.O. Box 73115
1140 Cypress Station
Houston, TX 77090
Phone: 713-537-3600
TTY: 790-280

Motorola

International Parts

1313 E. Algonquin Road
Schaumburg, IL 60196
Phone: 312-576-6482
TTY: 910-693-0869
CABLE: MOTOLPARTS



MOTOROLA

Communications Parts
1313 E. Algonquin Road
Schaumburg, Illinois 60196
312/576-3900



**worldwide support of
communications systems**